

PUE DAY
ABRIL 2016

12:55 - 14:00

Oracle Academy

**“Inspirando a la siguiente generación de profesionales IT.
Nueva certificación Oracle Junior Associate”**

Roberto Lopez Gago, Oracle University Sales Director - Iberia

Danny Gooris, Senior Manager Oracle Academy EMEA

ORACLE ACADEMY



cloudera



ORACLE ACADEMY

Microsoft Imagine Academy



ORACLE ACADEMY, Take the Future in Your Own Hands

Danny Gooris
Senior Manager EMEA
Oracle Academy
13th of April 2016

PUE Day
Madrid, Spain



Oracle Corporation



#2 software company
in the world



400,000 customers
in 145 countries



#1 in 50
product/industry
categories

Computer Science Education Is Important



Well-paying jobs for the foreseeable future will require CS knowledge.



Globally there are more jobs available in CS than there are workers to fill those jobs



As a global population, we are increasingly dependent on computers for our security, well-being, and convenience.

E-Skills



- Competitiveness, innovation and job creation in European industry are increasingly being driven by the use of **new ICT technologies**. This must be backed up by a **workforce with the knowledge and skills** to use these new technologies efficiently
- As new technologies develop rapidly, the skills required to use them become **increasingly sophisticated** and need to be constantly updated. Individuals with creativity, innovation and higher-level conceptual skills are increasingly in demand,
- 900,000 IT Professionals needed by 2020 risks potential for growth and digital competitiveness in Europe

E-Skills in European Commission



- The importance of e-Skills for Europe is **widely acknowledged**. Shortages and mismatches in e-skills, and the **resulting digital divide** negatively affect growth, competitiveness, innovation, employment and social cohesion in Europe.
- European **e-Competence Framework** is a reference of 40 skills required in the ICT workplace.
- The Grand Coalition for Jobs
- Future focus:
 - e-Leadership Skills
 - Professionalism for ICT practitioners



“Computer science skills transcend most 21st century professions and are fundamental to college and career readiness.”

– Alison Derbenwick Miller, Vice President, Oracle Academy

Meet The Challenge With Oracle Academy



The Challenge:

There is a **global skills gap**

The Solution:

Create **awareness of careers in computer science** from an early age and encourage more students to **graduate with Computer Science degrees**

What Is Oracle Academy?



Oracle's **investment in computer science education** and the development of future technologists, innovators, and leaders



Comprehensive, **philanthropic program** supporting computer science and IT education pathways

Why Invest in Computer Science Education with Oracle Academy?

Benefits to Institutions

- Full academic curriculum in vendor neutral, foundational concepts, skills & technologies
- Additional learning resources to support flipped classrooms & supplement learning
- Support to credit levelling and mapping
- College and career ready, industry literate students

Benefits to Government

- Cultivate industry literate, college and career ready students
- Be a global leader with innovative education
- Support economic growth

Benefits to Students

- Demonstrable skills & knowledge aligned to industry
- Path to industry certification
- More attractive to colleges & employers

Benefits to Business

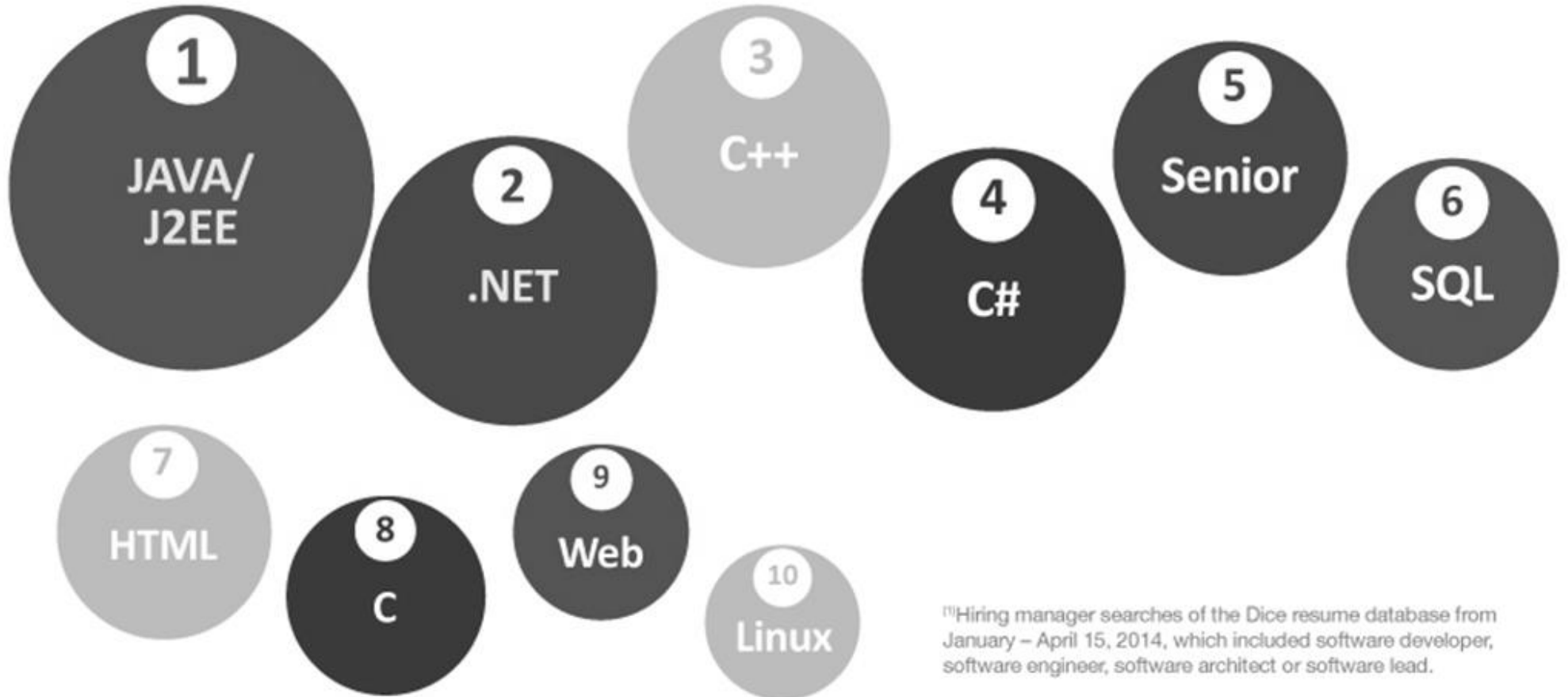
- New employees with solid core CS skills & knowledge
- New hires experienced with current technologies
- Industry certified individuals

Key Outcomes

- Increased CS education level across population
- Increased economic growth potential – individuals, regions & nations
- Globally competitive students & workers

What Knowledge Do Students Need?

Most Desired Skills: Software Developers



^[1]Hiring manager searches of the Dice resume database from January – April 15, 2014, which included software developer, software engineer, software architect or software lead.

Join the Oracle Academy Community



www.facebook.com/oracleacademy



[@OracleAcademy](https://twitter.com/OracleAcademy)



[OracleAcademyChannel](https://www.youtube.com/OracleAcademyChannel)



academy_ww@oracle.com

ORACLE ACADEMY, Take the Future in Your Own Hands

Roberto Lopez Gago
Sales Director
Oracle University - Iberia
13th of April 2016

PUE Day
Madrid, Spain



¡Es momento de colaborar!



*“Cada uno va a lo suyo,
menos Yo que voy a lo mío”
Anónimo*

¡Es momento de colaborar!

“La educación es el pasaporte hacía el futuro, el mañana pertenece a aquellos que se preparan para él en el día de hoy”

Malcolm X



“Hay tres clases de personas en este mundo: quienes hacen que sucedan las cosas; las que ven suceder las cosas; y quienes no saben lo que está sucediendo.”

Nicholas Murray Butler

Formación y Certificación para el portfolio completo



“Quien quiere hacer algo encuentra un medio, quien no quiere hacer nada, encuentra una excusa”



Oracle Academy 3.0

21st Century, New Skills, New Jobs, New training programs for future IT professionals

ORACLE[®]



O. Javier Domínguez
Director Gerente, PUE

Oracle Academy



Ofrece un completo portfolio de software, curriculum, formación, soporte y recursos de certificación



Presente en **105** países

2.2+ M

Alumnos al año



Proporciona acceso a las tecnologías que mueven la industria

Enfoque del Oracle Academy

Interés

- Los docentes buscan materiales para impartir planes formativos en informática incluyendo programación, bases de datos ...

Oportunidad

- El programa incluye recursos que facilitan la enseñanza en materias como programación Java y las bases de datos Oracle y MySQL.

Éxito

- Los centros tienen acceso a recursos didácticos en tecnologías Oracle aplicables a los currículos reglados a impartir

Beneficios Oracle Academy

Comunidad

DISTINTIVOS, LOGOS & MARKETING



CONECTA CON EXPERTOS



ORACLE OPEN WORLD & JAVA ONE



Certificación

PRETESTS Y EXÁMENES DE CERTIFICACIÓN

50% OFF
Preparación



25% OFF
Exámenes

Formación

DESARROLLO PROFESIONAL DOCENTES



FORMACIÓN
PRESENCIAL



FORMACIÓN BLENDED
(VIRTUAL + PRESENCIAL)



VIRTUAL DIRIGIDA
POR INSTRUCTOR



WORKSHOPS
IN A BOX



RECURSOS
SELF-SERVICE

Recursos
Didácticos

CURRICULUM ELEARNING



ORACLE PRESS BOOKS

Oracle Press

LECTURE SERIES



ARTICULOS TÉCNICOS



WEBCASTS & PODCASTS



Tecnología

ENTORNOS CLOUD

ORACLE Application Express

ENTORNOS DE DESARROLLO JAVA



ORACLE SOFTWARE

ORACLE DATABASE **ORACLE** FUSION MIDDLEWARE **ORACLE** E-BUSINESS SUITE

Implantación en España

Oracle ha seleccionado a PUE como Partner para la difusión, gestión y soporte a la red de centros Oracle Academy en España.



PUE da soporte a **93** centros de formación activos y más de 50 centros en proceso de migración a la nueva plataforma Oracle Academy 3.0 en España.

<https://locator.pue.es/oracle/>

Servicios de PUE

- Formación y videoconferencias para los docentes acerca de la puesta en marcha del programa y la uso de los recursos disponibles.
- Soporte y resolución de consultas para el mejor encaje del programa a la oferta formativa del centro.
- Documentación propia específica, guías paso a paso, etc., sobre el uso de los recursos.
- Realización de gestiones operativas del proyecto: acceso a la plataforma elearning, material docente, certificaciones, libros Oracle Press, etc.
- Comunicación y envío de notificaciones en castellano con las novedades que se incorporan al programa.
- Gestión directa con Oracle en la operativa del proyecto.

Videoconferencias divulgativas del programa

Educación / Programas educativos / Oracle Academy / Formación de instructores

ORACLE ACADEMY: FORMACIÓN DE INSTRUCTORES

- ORACLE ACADEMY
- ¿En qué consiste?
- Beneficios
- Certificaciones
- Formación elearning
- Formación de instructores
- Inscripción

PUE realiza sesiones de formación a los centros en formato video-conferencia (webinars) sobre la pue implementación y utilización del programa, con el fin de obtener el mejor rendimiento de los recursos del programa educativo.

Tienen acceso a estas sesiones los centros miembros vinculados a Oracle Academy a través de PUE.


CALENDARIO DE FORMACIÓN ORACLE ACADEMY

Formato: video-conferencia / webinars

| Fecha y hora del evento | Sesión video-conferencia |
|--|--|
| 15 de febrero de 2016 11:00h a 12:30h | Puesta en marcha de la nueva plataforma Oracle Academy Acceso a beneficios y recursos |
| 30 de marzo de 2016 11:00h a 12:30h | Implantación del plan de estudios Java en su institución educativa con Oracle Academy |

Network Recording Player - Evento 30 de Marzo 2016 11:00h - 12:30h

Meeting Number: 716 639 767 | Date: miércoles, 30 de marzo de 2016 | Time: 11:03, Local Time (GMT +01:00)




ORACLE

Agenda

1. Introducción
2. Ruta de certificación oficial en Java
3. Ruta de formación oficial en Java
4. Implantación del plan de estudios Java
5. Otros recursos oficiales de formación

Jordi Ariño – Instructor oficial Oracle en PUE
jordi.arino@pue.es

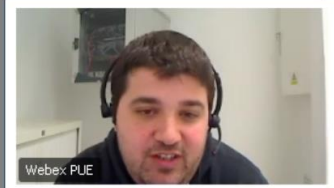
Participants

| Name | Joining time / Leaving time |
|--------------|-----------------------------|
| Andrés | 11:03 / 12:45 |
| Angel | 11:03 / 12:45 |
| Webex PUE | 11:03 / 12:45 |
| Angel Garcia | 11:03 / 12:45 |
| jordi piquer | 11:03 / 12:45 |
| Toni Ruiz | 11:03 / 11:06 |

Table of Contents

| Activity | Time |
|-----------------|----------|
| Recording Start | 00:00:00 |
| page 3 | 00:01:04 |
| page 4 | 00:01:10 |
| page 5 | 00:02:15 |
| page 6 | 00:02:41 |

Video



Webex: PUE

00:00:06 / 01:42:13

<https://www.pue.es/educacion/oracle-academy/formacion-de-instructores>

Suscripción al programa

¿A quién va dirigido?



Centros de Formación Profesional y Departamentos de Informática de Universidades

¿Con qué objetivo?



Aplicación de los contenidos oficiales Oracle exclusivamente en itinerarios de formación reglada.

¿Cuánto cuesta?



Alta / Renovación Anual: 450,00€ (IVA incluido)

www.pue.es/educacion/oracle-academy

Beneficios del programa

- CERTIFICACIONES OFICIALES
- E-LEARNING
- SOFTWARE
- MATERIAL DOCENTE
- RECURSOS DE MARKETING
- ORACLE PRESS



Certificaciones oficiales

Niveles de certificación en Oracle



ORACLE®

Certified Associate

La credencial *Oracle Certified Associate (OCA)* valida las habilidades y conocimientos fundamentales que forman una base sólida de conocimiento en los productos de Oracle. Convertirse en Oracle Certified Associate es el primer paso que se debe tomar para convertirse en un profesional certificado de Oracle.



ORACLE®

Certified Professional

La credencial *Oracle Certified Professional (OCP)* es el punto de referencia de la cualificación profesional y experiencia técnica en productos de Oracle. Valida la capacidad para administrar, desarrollar o implementar una amplia gama de productos de Oracle, incluyendo bases de datos, desarrollo de aplicaciones en Java y más. En las empresas a menudo se utiliza la credencial OCP para evaluar las habilidades y experiencia de los empleados y/o posibles candidatos.

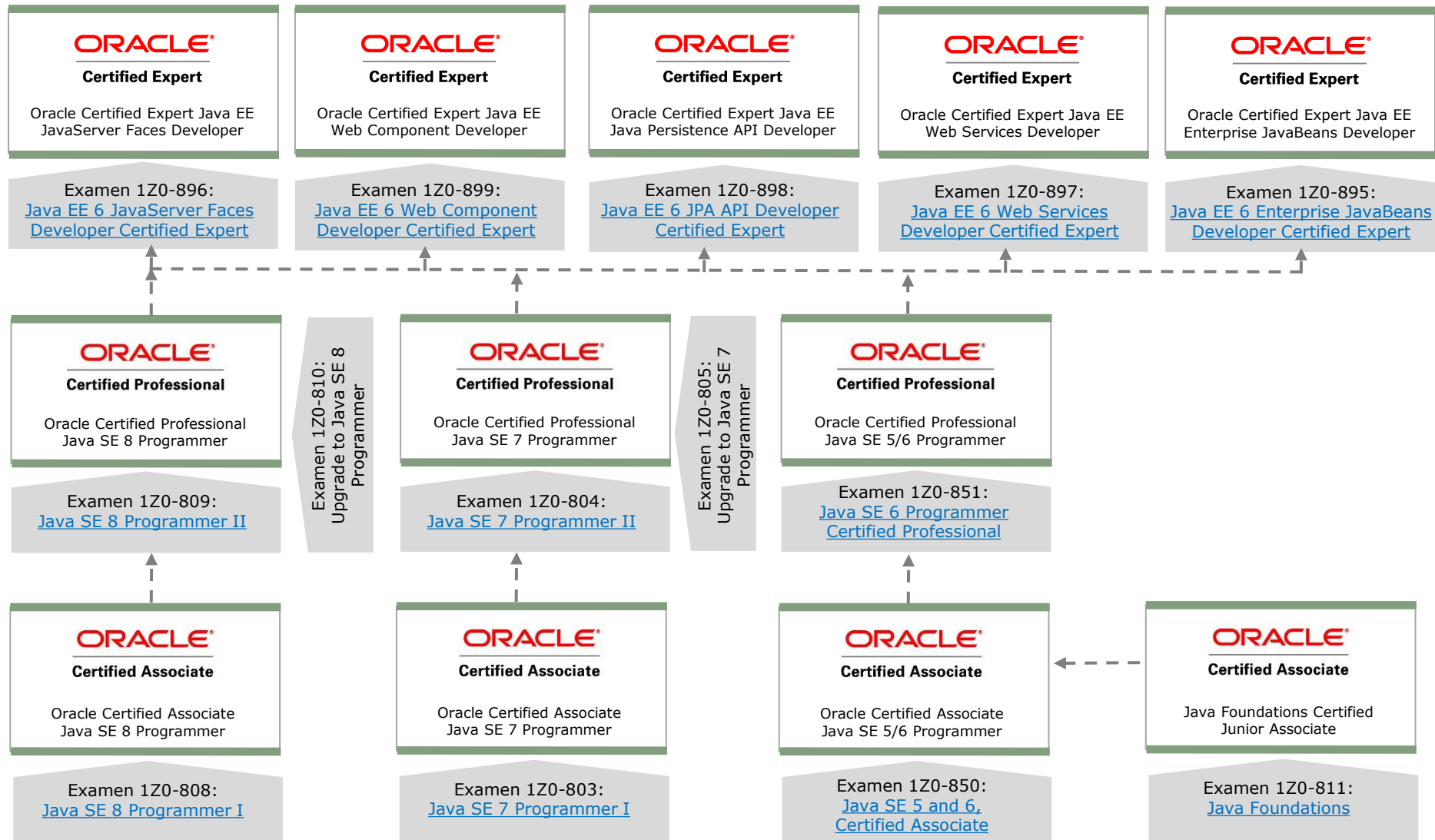


ORACLE®

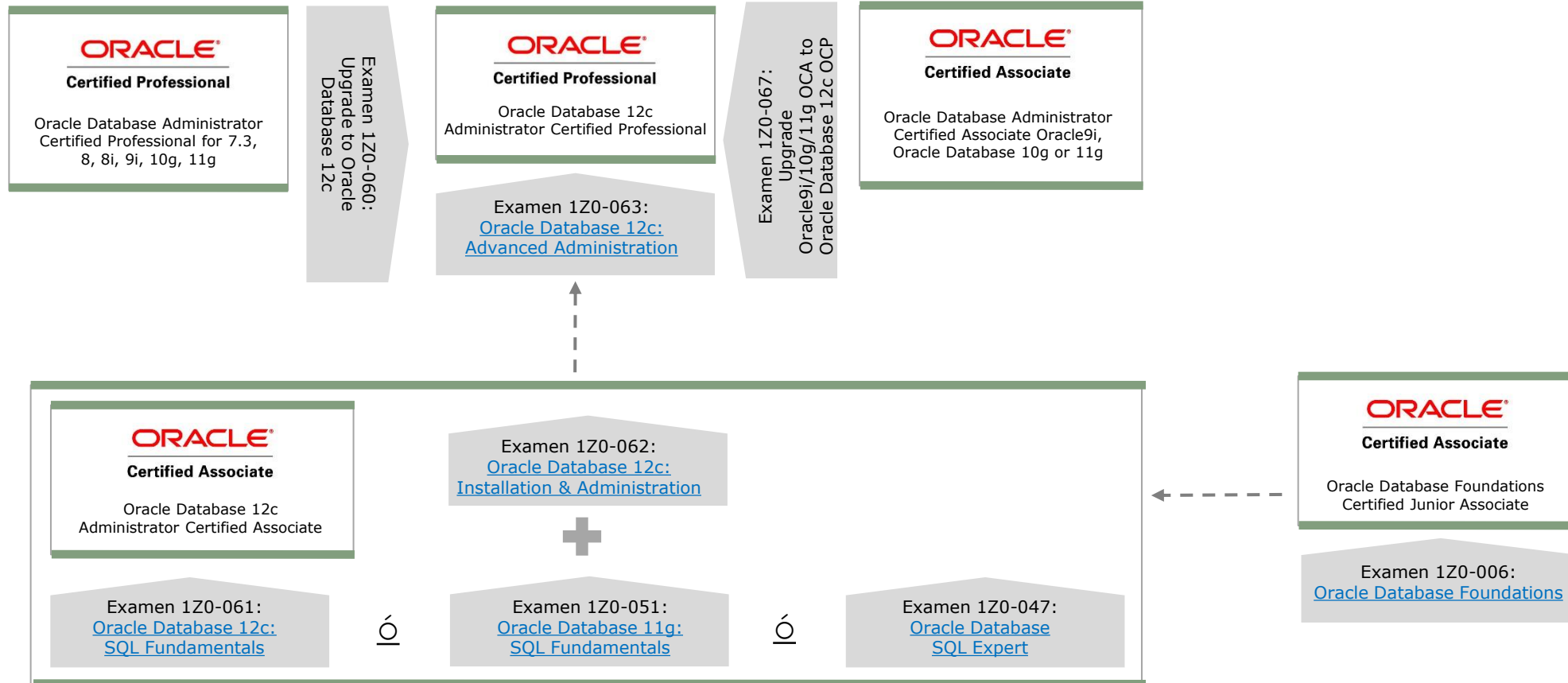
Certified Expert

La credencial *Oracle Certified Expert (OCE)* valida experiencia y habilidades en tecnologías específicas, arquitecturas o dominios que no están cubiertos específicamente dentro del path de certificaciones estándar o tradicional.

Certificaciones oficiales en Java



Certificaciones oficiales en Oracle Database



Certificaciones oficiales exclusivas para centros Oracle Academy



Examen 1Z0-006:
[Oracle Database Foundations](#)



Examen 1Z0-811:
[Java Foundations](#)

Sólo los alumnos formados en un centro Oracle Academy tendrán acceso a los exámenes **1Z0-006: ORACLE Database Foundations** y **1Z0-811: Java Foundations**, que, una vez superados, otorgan al alumno la acreditación:

Oracle Database Foundations Certified Junior Associate

Java Foundations Certified Junior Associate

1Z0-811: Java Foundations

- Plataforma: Java SE 8
- Duración: 150 minutos
- Núm. Preguntas: 75 preguntas
- Nota aprobado: 65 %

Precio: 61,50 € + IVA

Contenidos

What is Java?

Java Basics

Basic Java Elements

Working with Java Data Types

Working with Java Operator

Working with the String Class

Working with the Random and
Match Classes

Using Decision Statements

Using Looping Statements

Debugging and Exception Handling

Arrays and ArrayLists

Classes and Constructors

Java Methods

1Z0-006: Oracle Database Foundations

- Plataforma: Oracle Database v12.1.0.2.0.
- Duración: 150 minutos
- Núm. Preguntas: 75 preguntas
- Nota aprobado: 60 %

Contenidos

What is a Database?
The Language of Database and
Data Modeling
Data Modeling – Creating the
Physical Model
Mapping the Physical Model
Introduction to SQL

Precio: 61,50 € + IVA

Beneficios del programa

- CERTIFICACIONES OFICIALES
- E-LEARNING
- SOFTWARE
- MATERIAL DOCENTE
- RECURSOS DE MARKETING
- ORACLE PRESS



Plataforma elearning: Oracle iLearning

ORACLE Academy



Catálogo Inicio Perfil

Conexión

Conexión

Usuario:

Contraseña:

Recordar Contraseña

[¿Contraseña Olvidada?](#)

Bienvenido a Oracle iLearning



Oracle iLearning es un sistema de gestión de formación (LMS) de empresas y un componente principal de Oracle E-Business Suite. Oracle iLearning proporciona una infraestructura completa para que las organizaciones gestionen, proporcionen y realicen un seguimiento de la formación en entornos basados en clases y en línea. Utilice Oracle iLearning para:

- Consolidar las iniciativas de formación en un sistema de gestión de formación escalable y asequible
- Diseñar y entregar contenido de formación con rapidez
- Proporcionar la mezcla óptima de formación en clase y en línea
- Medir la eficacia de las iniciativas de formación
- Realizar una integración con una solución global de E-Business

Anuncios

- [APEX AUTOCOMMIT Checkbox](#)
- [Teacher Resource Page](#)
- [New Resources in Section 0](#)
- [Curriculum for 2014-2015](#)
- [Database Curriculum Codes](#)
- [Java Curriculum Codes](#)
- [Oracle iLearning - Teachers - Please Update Your Profile](#)
- [Oracle iLearning - Terms of Use](#)
- [Need Help on iLearning?](#)
- [Quizzes not appearing? Get help here.](#)

Plataforma elearning: Oracle iLearning

| | |
|----------------------------|--|
| 90 h - Castellano*/Inglés | • Java Foundations – <i>Nuevo</i> |
| 90 h - Castellano*/Inglés | • Fundamentos de Java |
| 90 h - Inglés | • Programación en Java |
| 90 h - Castellano*/Inglés | • Database Foundations - <i>Nuevo</i> |
| 180 h - Castellano*/Inglés | • Programación y diseño de base de datos con SQL |
| 180 h - Inglés | • Programación con PL/SQL |

* Disponible a partir de Agosto de 2016

Plataforma elearning: Oracle iLearning

ORACLE Academy

 Administrador  Ayuda  Desconexión

Catálogo Inicio Perfil Gestor

Visión General | Rutas de Formación | Formación No Planificada | Formación Planificada | Chats | Foros

Buscar Catálogo

Frase Exacta

[Búsqueda Avanzada...](#)

[Examinar Catálogo](#)

Mi Formación

Filtro Incluir Ofertas Terminadas









Anterior 1 - 5 de 11 Siguiente

| Reproducir | Oferta | Fecha de Inicio | Inscrito | Estado del Reproductor |
|---|--|-----------------|----------|---|
|  |  2013-2015 Oracle Academy English Java Fundamentals - Student | 17/06/13 | 18/03/14 | 61 de 196 Terminado  |
|  |  2013-2015 Oracle Academy English Java Fundamentals - Teacher | 17/06/13 | 18/03/14 | 67 de 202 Terminado  |
|  |  2013-2015 Oracle Academy English Database Design - Student | 28/08/13 | 18/03/14 | 10 de 187 Terminado  |
|  |  2013-2015 Oracle Academy English Database Design - Teacher | 28/08/13 | 18/03/14 | 13 de 193 Terminado  |
|  |  2013-2015 Oracle Academy English Database Programming with SQL - Student | 28/08/13 | 18/03/14 | 1 de 167 Terminado  |

Didac Navarro



Anuncios

-  Curriculum for 2014-2015
-  Database Curriculum Codes
-  Java Curriculum Codes
-  All Reports have been renamed
-  Oracle iLearning - Teachers - Please Update Your Profile
-  Oracle iLearning - Terms of Use
-  Need Help on iLearning?
-  Quizzes not appearing? Get help here.

Plataforma elearning: Oracle iLearning

**Nuevo
Formato
Curso online**

The screenshot displays the Oracle iLearning interface for the course 'Java Foundations - Teacher - English'. On the left, a sidebar titled 'Estructura del Curso' (Course Structure) lists the curriculum, with 'Section 0 - Course Resources - Teacher' selected. The main content area, titled 'Section 0 - Course Resources', features a corkboard graphic with seven sticky notes, each representing a resource: 'Java Foundations Course Resources', 'Java Foundations - Course Programming Project', 'PDF Zip File Downloads', 'Java Zip File Downloads', 'Course Icon Map - Teacher Course', 'Course Icon Map - Student Course', and 'Printable Icon Map'. A fourth sticky note, 'Oracle iLearning Resources', is partially visible on the right. Navigation buttons for 'PREV' and 'NEXT' are located at the bottom right of the corkboard area.

Página inicial con acceso a todos los recursos para la impartición del curso

Plataforma elearning: Oracle iLearning

The image displays a multi-part interface for Oracle iLearning. On the left, a 'Section 0 - Course Resources' window shows a corkboard with several sticky notes: 'Java Foundations Course Resources', 'Java Foundations - Course Programming Project', 'PDF Zip File Downloads', 'Java Zip File Downloads', 'Course Icon Map - Teacher Course', 'Course Icon Map - Student Course', 'Printable Icon Map', and 'Oracle iLearning Resources'. A blue arrow points from the 'Java Foundations Course Resources' note to a central 'Java Foundations Course Resources' panel. This panel features the Oracle Academy logo and a list of resources, with 'PDF Resource Java Foundations Course Objectives' highlighted. A second blue arrow points from this resource to a browser window on the right. The browser window shows the document 'JFo_Course_Objectives.docx' with the URL 'ilearningcontent.oracle.com/content/site/OracleAcad/ENG_JFo_15/S0/PDF/JFo_Course_Objectives.pdf'. The document content includes the Oracle Academy logo, the title 'Java Foundations – Course Objectives', and sections for 'Overview', 'Duration', 'Target Audiences', and 'Educators'. The 'Duration' section lists a recommended total course time of 90 hours* and 30 professional education credit hours for educators. The 'Educators' section lists technical, vocational, and college/university faculty members.

Section 0 - Course Resources

Java Foundations Course Resources

Java Foundations - Course Programming Project

PDF Zip File Downloads

Java Zip File Downloads

Course Icon Map - Teacher Course

Course Icon Map - Student Course

Printable Icon Map

Oracle iLearning Resources

Java Foundations Course Resources

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PDF Resource Java Foundations Course Objectives

PDF Resource Java Foundation

PDF Resource Java Software Requirements a

ilearningcontent.oracle.com/content/site/OracleAcad/ENG_JFo_15/S0/PDF/JFo_Course_Objectives.pdf

JFo_Course_Objectives.docx 1 / 6

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Java Foundations – Course Objectives

Overview

This course of study engages students with little programming experience. Students are introduced to object-oriented concepts, terminology, and syntax, and the steps required to create basic Java programs using hands-on, engaging activities. Students will learn the concepts of Java programming, design object-oriented applications with Java and create Java programs using hands-on, engaging activities.

Duration

- Recommended total course time: 90 hours*
- Professional education credit hours for educators who complete Oracle Academy training: 30

* total course time includes instruction, self-study/homework, practices, projects and assessment

Target Audiences

Educators

- Technical, vocational, and 2- and 4-year college and university faculty members who teach computer programming, information communications technology (ICT), or a related subject at a foundational level.

Resumen de objetivos del curso

Plataforma elearning: Oracle iLearning

The image displays three components related to the Oracle iLearning platform for the Java Foundations course:

- Section 0 - Course Resources:** A corkboard interface showing various resource cards such as "Java Foundations Course Resources", "Java Foundations - Course Programming Project", "PDF Zip File Downloads", "Java Zip File Downloads", "Course Icon Map - Teacher Course", "Course Icon Map - Student Course", "Printable Icon Map", and "Oracle iLearning Resources".
- Java Foundations Course Resources:** A detailed view of the course resources, including the Oracle Academy logo and a list of PDF resources: "Java Foundations Course Objectives", "Java Foundations Course Map", and "Java Software Requirements and Installation".
- Guidelines for Java Foundations:** A course plan table showing the schedule over 18 weeks, divided into 5 sessions per week (45 minutes each).

| | Session1 | Session2 | Session3 | Session4 | Session5 |
|---------|----------------------------------|----------|---------------|----------|----------|
| Week 1 | Introduction | | | | |
| Week 2 | Java Software Development | | | | |
| Week 3 | Java Data Types | | | | |
| Week 4 | Java Methods and Library Classes | | | | |
| Week 5 | Decision Statements | | | | |
| Week 6 | Mid Term Exam Review | | | | |
| Week 7 | Mid Term Exam Review | | Mid Term Exam | | |
| Week 8 | Loop Constructs | | | | |
| Week 9 | Creating Classes | | | | |
| Week 10 | Arrays and Exceptions | | | | |
| Week 11 | Java FX | | | | |
| Week 12 | Final Exam Review | | | | |
| Week 13 | Final Exam Review | | Final Exam | | |
| Week 14 | Final Project | | | | |
| Week 15 | | | | | |
| Week 16 | | | | | |
| Week 17 | | | | | |
| Week 18 | | | | | |

Planificación del curso en capítulos, semanas y sesiones

Plataforma elearning: Oracle iLearning

The image shows a composite of three screenshots from the Oracle iLearning platform. On the left is a 'Section 0 - Course Resources' page with a corkboard of sticky notes. A blue arrow points from the 'Java Foundations Course Resources' note to a central 'Java Foundations Course Resources' window. This window lists various resources, with a blue arrow pointing to the 'Required Software for Java Courses' section of a larger screenshot on the right. This larger screenshot shows the 'Required Software' section, which lists software requirements for Java Fundamentals, Java Programming, and Java Foundations courses, along with a table of download and installation instructions.

ENG_JFo_S0_T

Section 0 - Course Resources

- Java Foundations Course Resources
- Java Foundations - Course Programming Project
- PDF Zip File Downloads
- Java Zip File Downloads
- Course Icon Map - Teacher Course
- Course Icon Map - Student Course
- Printable Icon Map
- Oracle iLearning Resources

Java Foundations Course Resources

ORACLE ACADEMY

- PDF Resource
Java Foundations Course Objectives
- PDF Resource
Java Foundations Course Map
- PDF Resource
Java Software Requirements and Installation

ORACLE ACADEMY www.oracle.com/academy

Required Software for Java Courses

Required Software

The following software is required for the **Java Fundamentals** course:

- Alice 3
- Greenfoot
- Eclipse

The following software is required for the **Java Programming** course:

- Eclipse

The following software is required for the **Java Foundations** course:

- NetBeans

Software Download and Installation Instructions

Follow the instructions at the sites below to download and install the software required for your course.

| Software | Download and Installation Instructions |
|-----------|---|
| Alice 3 | http://www.alice.org/index.php?page=downloads/download_alice3.1 |
| Greenfoot | www.greenfoot.org/download_old |

Documento resumen con requisitos software para la impartición del curso, urls de descarga e instrucciones de instalación

Plataforma elearning: Oracle iLearning

The image shows a workflow for accessing course materials. On the left, a window titled 'Section 0 - Course Resources' displays a corkboard with several sticky notes: 'Java Foundations Course Resources', 'Java Foundations - Course Programming Project', 'PDF Zip File Downloads', 'Java Zip File Downloads', 'Course Icon Map - Teacher Course', 'Course Icon Map - Student Course', 'Printable Icon Map', and 'Oracle iLearning Resources'. A blue arrow points from the 'Java Foundations - Course Programming Project' note to a floating window titled 'Java Foundations - Course Programming ...'. This window shows the Oracle Academy logo and a 'PDF Student Guide' button, with another blue arrow pointing to it. To the right, a PDF viewer window titled 'JFo_Project.docx' shows the 'Java Foundations Final Project' document. The document includes an overview and a list of tasks for the final project.

Section 0 - Course Resources

Java Foundations Course Resources

Java Foundations - Course Programming Project

PDF Zip File Downloads

Java Zip File Downloads

Course Icon Map - Teacher Course

Course Icon Map - Student Course

Printable Icon Map

Oracle iLearning Resources

Java Foundations - Course Programming ...

ORACLE ACADEMY

PDF Student Guide

JFo_Project.docx

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Pulsa F11 para salir del modo de pantalla completa

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www.oracle.com/academy

Java Foundations Final Project

Overview

The final project gives you an opportunity to showcase your skills with the programming concepts presented in the Java Foundations course. Develop an application, animation, game, or anything else that demonstrates your knowledge of foundational Java programming concepts.

Tasks

Develop an application, animation, game, or anything else that demonstrates your knowledge of foundational Java programming concepts. You may find it helpful to review the Spiral Model of development and design a plan before you begin programming.

Your program must include the following:

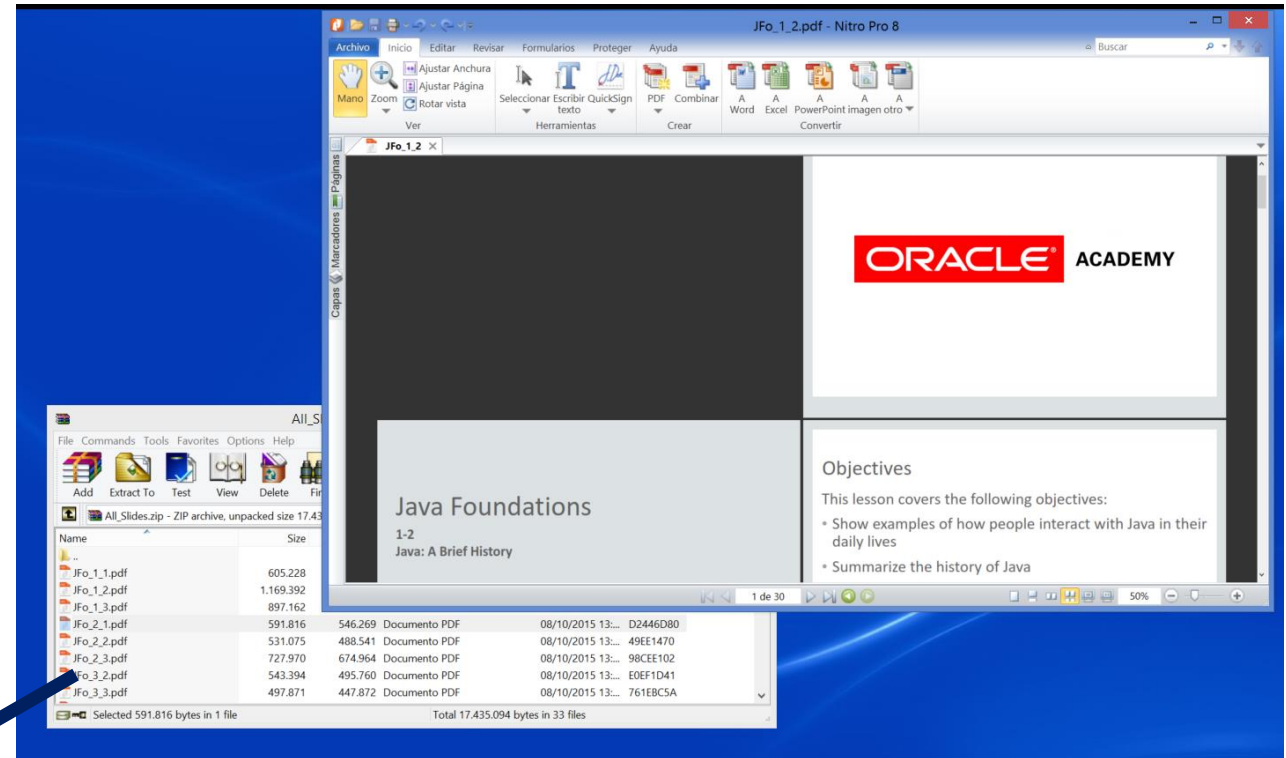
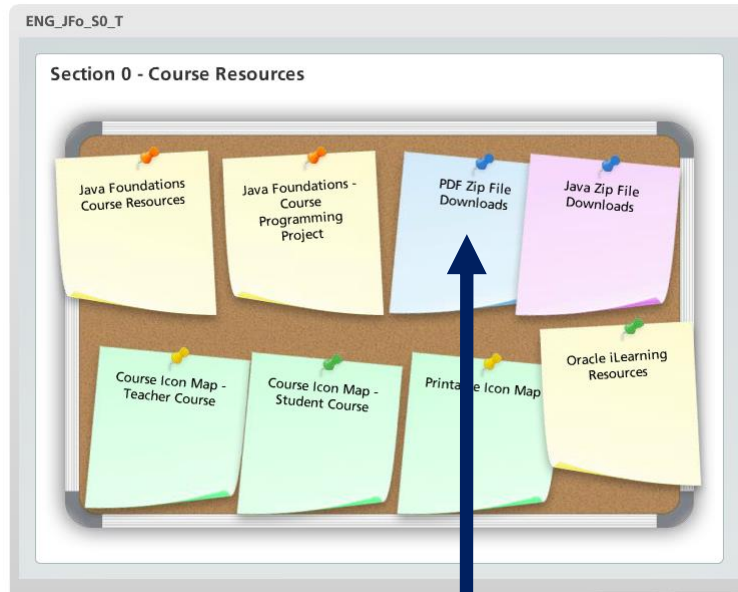
- At least 2 classes, not including the test class
 - Encapsulate these, and additional classes
 - Provide at least 2 fields and 2 methods in every class, not including getters or setters.
- An Array or ArrayList
- The ability to accept user-input at least once. Always accept user input without crashing.

You're welcome to base your program on any of the following examples or create your own scenario:

- Animate a wrestling match (Alice IDE)
- Animate a dance routine (Alice IDE)
- Model an employee database. Supply a collection of employees. Provide methods to order or display employees by their salary and productivity ratings. Allow the manager to fire all employees who earn above-average salaries but offer below-average productivity. Allow the manager to hire new employees.

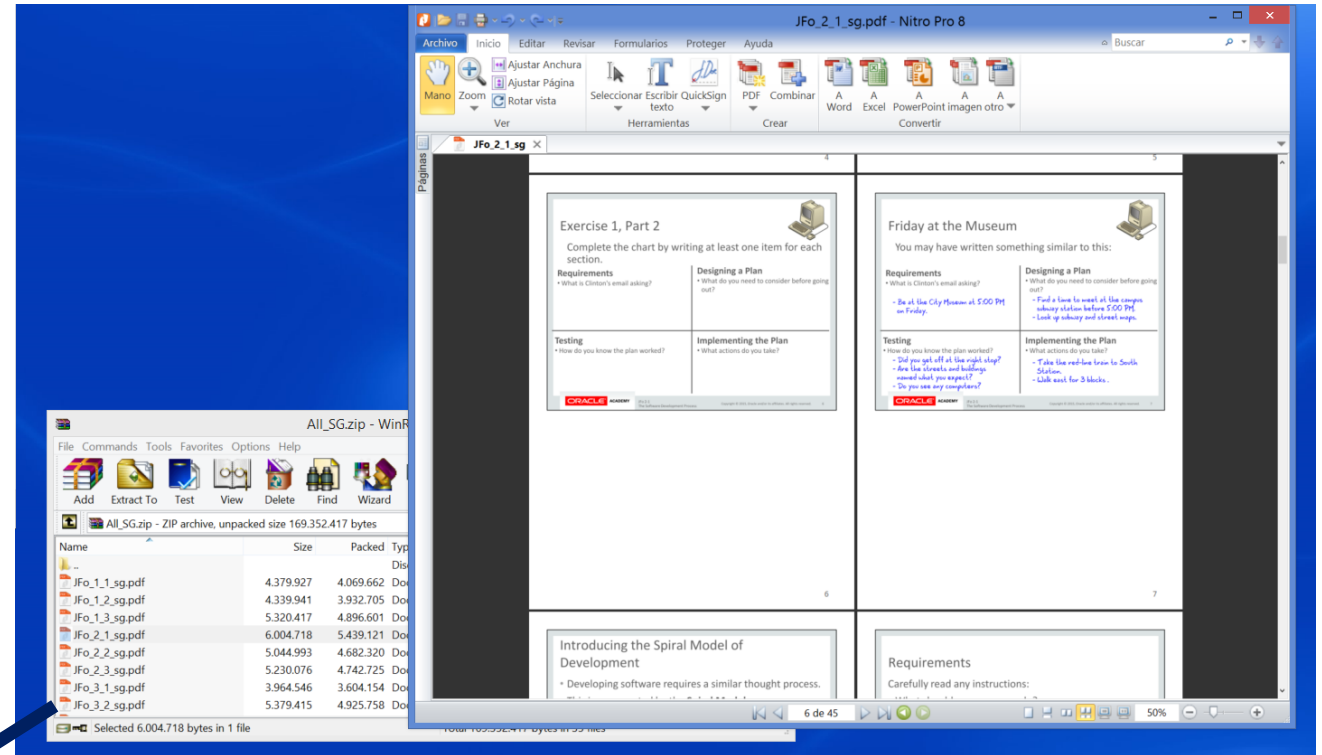
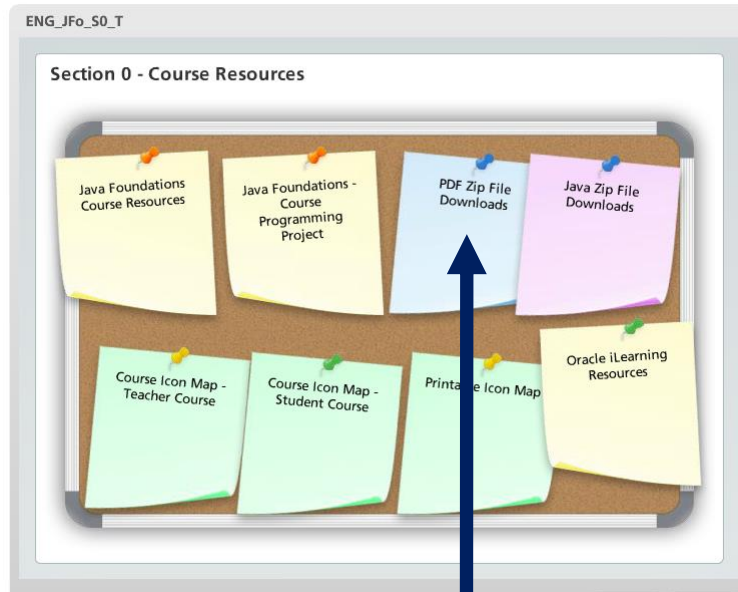
Enunciado de proyecto final de curso en pdf

Plataforma elearning: Oracle iLearning



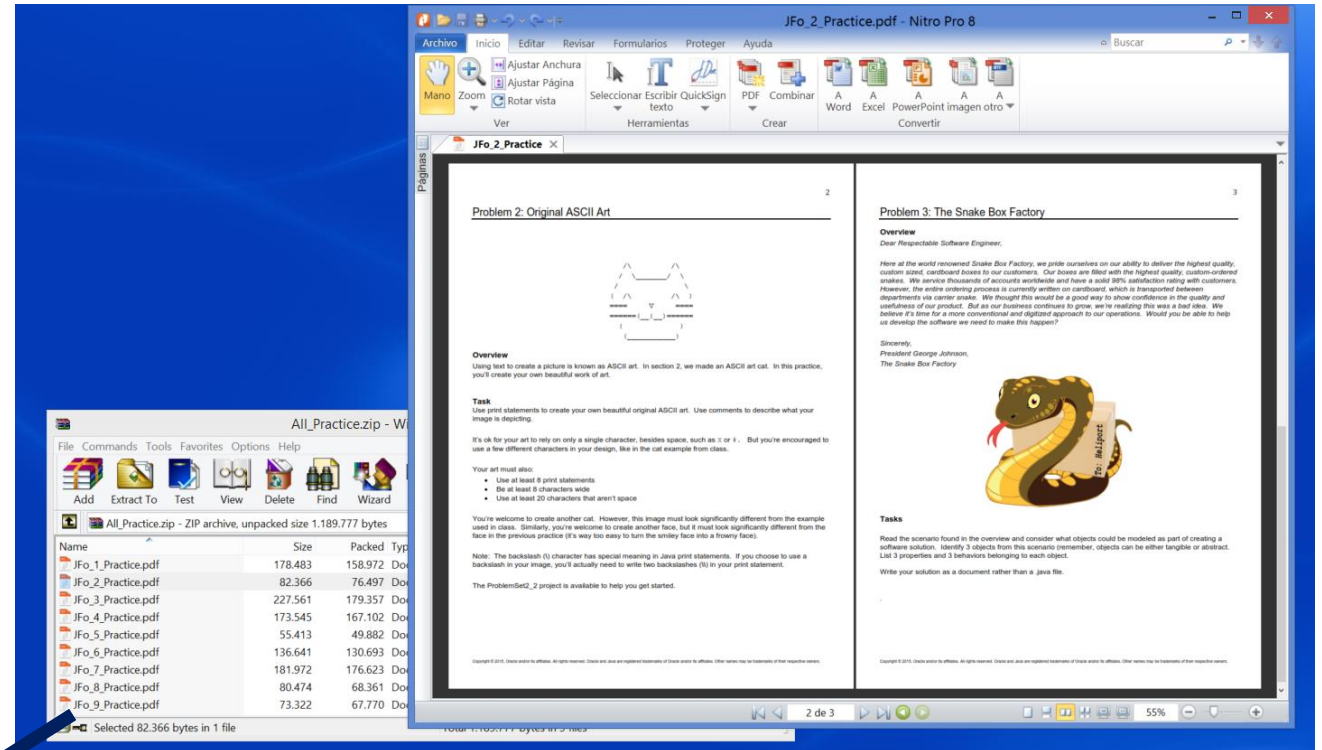
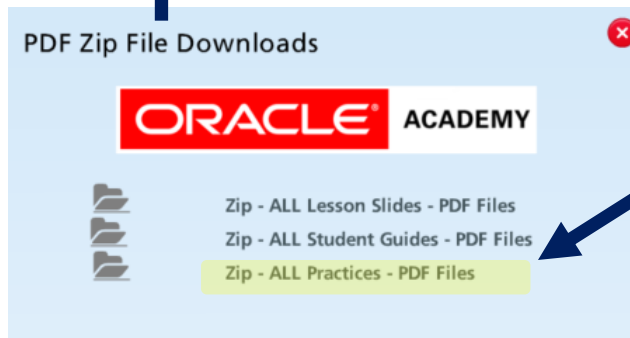
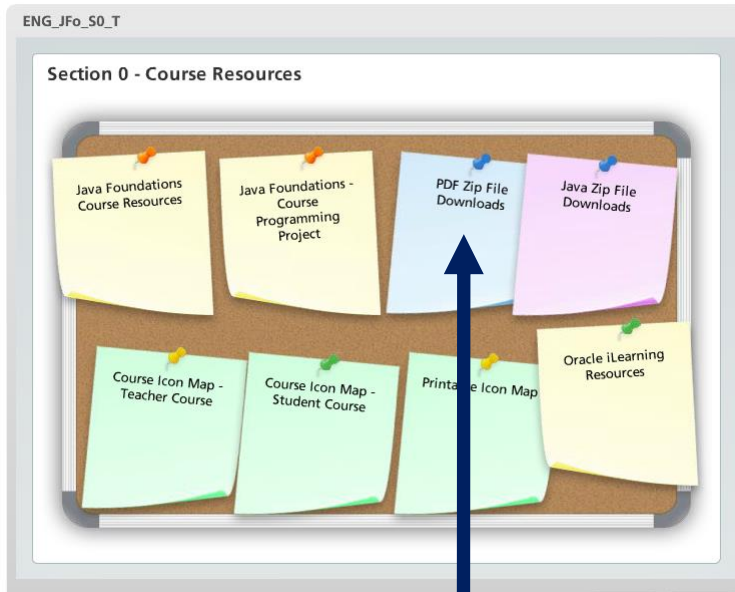
Ficheros con las transparencias de cada capítulo

Plataforma elearning: Oracle iLearning



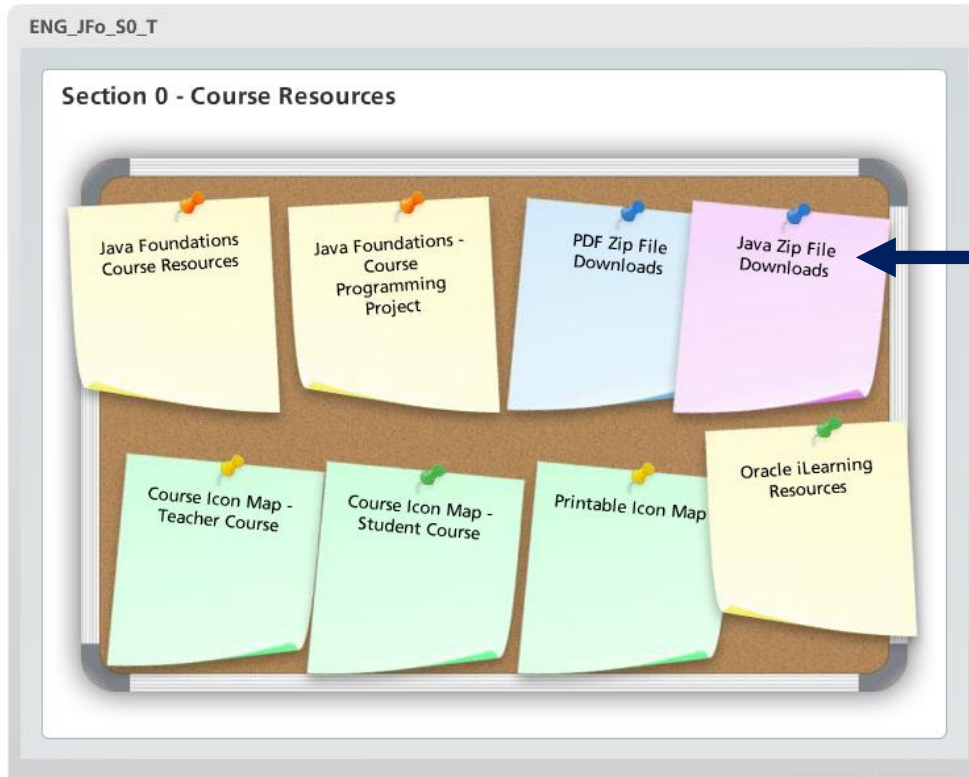
Transparencias para los estudiantes montadas en A4 para poder tomar notas

Plataforma elearning: Oracle iLearning

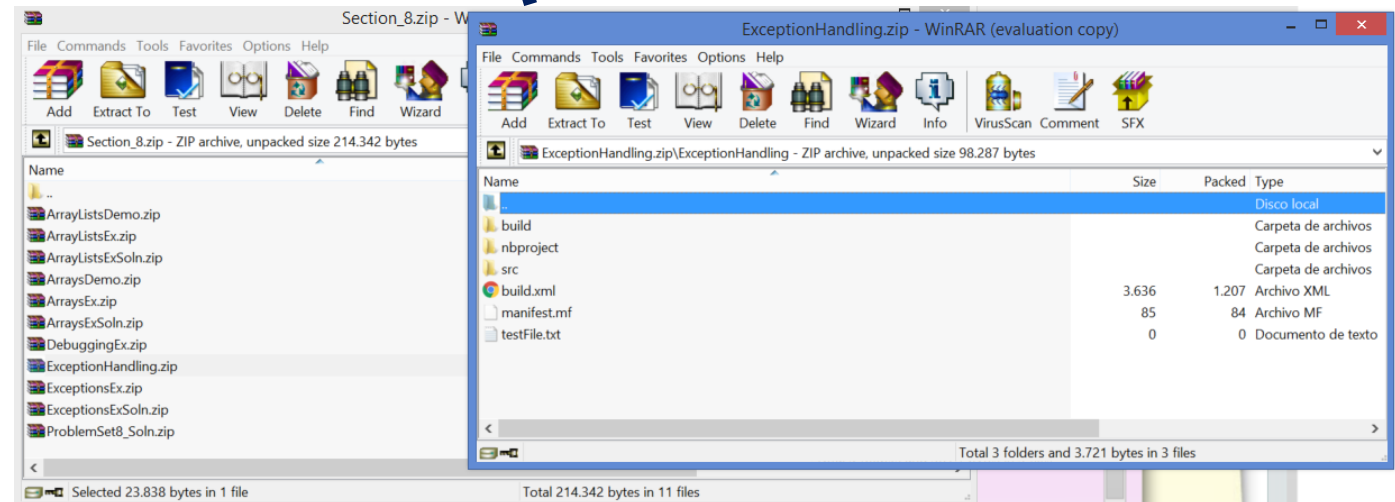


Enunciados de las prácticas de cada capítulo

Plataforma elearning: Oracle iLearning



Ficheros para la resolución de ejercicios de capítulo



Plataforma elearning: Oracle iLearning

The image shows a central screenshot of the Oracle iLearning interface titled "Section 0 - Course Resources" with a corkboard background. Four numbered callouts point to specific elements:

- 1**: Points to the "Course Icon Map - Teacher Course" sidebar on the left.
- 2**: Points to the "Course Icon Map - Student Course" sidebar on the left.
- 3**: Points to the "Printable Icon Map" sidebar on the right.
- 4**: Points to the "Oracle iLearning Resources" sidebar on the right.

The "Course Icon Map - Teacher Course" sidebar (1) includes:

- Downloadable/Presentable Slide PDF
 - Lesson slides for offline viewing or presenting
 - Do not contain slide notes
 - Suitable for use as presentation backup during Internet outages
- Student Guide
 - Downloadable Slide PDFs with Notes
 - Lesson slides for offline viewing
 - Slide at top of page
 - Slide notes at bottom of page

The "Course Icon Map - Student Course" sidebar (2) includes:

- Online Lesson
 - Classroom Presentation
 - Lesson slides with:
 - Outline
 - Previous/next buttons
 - Slide notes
 - Viewable from mobile devices
- Student Guide
 - Downloadable Slide PDFs with Notes
 - Lesson slides for offline viewing
 - Slide at top of page
 - Slide notes at bottom of page

The "Printable Icon Map" sidebar (3) includes:

- PDF Resource - Printable Icon Map

The "Oracle iLearning Resources" sidebar (4) includes:

- PDF Resource
 - How to Run Reports
- PDF Resource
 - How to Create and Manage Student Accounts

The central corkboard shows icons for:

- Java Foundations Course Resources
- Java Foundations - Course Programming Project
- PDF Zip File Downloads
- Java Zip File Downloads
- Course Icon Map - Teacher Course
- Course Icon Map - Student Course
- Printable Icon Map
- Oracle iLearning Resources

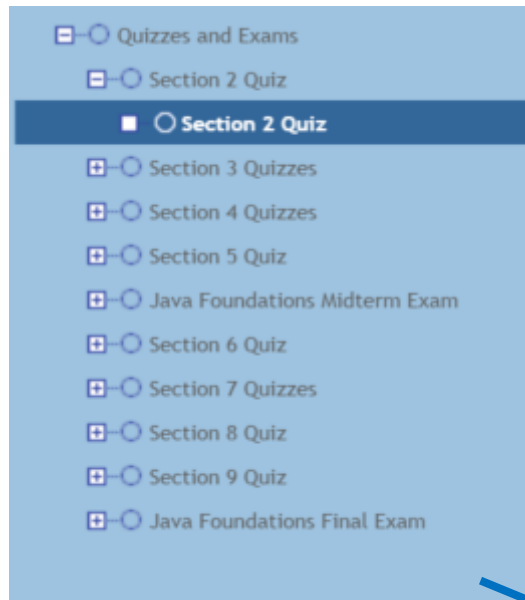
The bottom right shows a page titled "Icons used in Teacher Course" with a list of icons and their descriptions:

- Online Lesson - Classroom Presentation
 - Lesson slides with outline, previous/next buttons, slide notes
 - Viewable from mobile devices
- Downloadable/Presentable Slide PDF
 - Lesson slides for offline viewing or presenting, do not contain slide notes
 - Suitable for use as presentation backup during Internet outages
- Student Guide - Downloadable Slide PDFs with Notes
 - Lesson slides for offline viewing, slide at top of page, slide notes at bottom of page
- Practice
 - PDF File, lesson practice exercises

1. Mapa de íconos de la versión de curso del docente
2. Mapa de íconos de la versión de curso del alumno
3. Mapa de íconos en pdf de ambas versiones,
4. Manuales en pdf de la plataforma:
 - 4.1. Como ejecutar informes,
 - 4.2. Como crear y gestionar cuantas de alumnos

Plataforma elearning: Oracle iLearning

Tests de capítulo



Responda a las preguntas de esta página y haga clic en Siguiente para ir a la siguiente página de la prueba. Haga clic en Resumen para ver las preguntas que debe responder antes de enviar la prueba. Haga clic en Terminar Prueba si está preparado para enviarla.

Section 2 Quiz

(Responder todas las preguntas de esta sección)

- What is the correct order of steps in the Spiral Model of Development?
 - Design, Develop , Requirements, Test
 - Requirements, Design, Develop, Test
 - Requirements, Design, Test, Develop
 - Design, Requirements, Develop, Test Marcar para Revisión (1) Puntos
- You'd like to see a movie with a few friends. You write an email to confirm plans.

Hi Friends,
There's a new movie "Attack of the Duke!" premiering this Friday at Oracle Cinema at 4:30 PM. The cinema is at the corner of South Street and Walnut Ave. Subway would be the best way to get there.

Would any of you be interested in going?

Which of the following are requirements for this plan?

 - Reach the cinema by 4:00 PM.
 - Double check the location by verifying you're on South Street and Walnut Ave.
 - Watch "Attack of the Duke!" on Friday at Oracle Cinema at 4:30 PM.
 - Travel via subway. Marcar para Revisión (1) Puntos
- The Spiral Model reflects an iterative development process.
 - Verdadero
 - Falso Marcar para Revisión (1) Puntos
- During the Design phase of software development, the programmer implements features gathered during the Requirement phase.
 - Verdadero
 - Falso Marcar para Revisión (1) Puntos
- In object oriented programming, an object comprises of properties and behaviors where properties represented as fields of the object and behavior is represented as method.
 - Verdadero
 - Falso Marcar para Revisión (1) Puntos

Plataforma elearning: Oracle iLearning

Funciones de Superusuario : Gestión de cuentas de usuario

ORACLE Academy

Inicio Ayuda Desconexión

Contenido Usuarios eCommerce Informes

Organizaciones Superiores

ORACLEACAD ORG (63406)

- China Events (428894630)
- External Instructors (with no school)
- Non-Oracle-People (3104608)
- Oracle Academy Staff (78403)
- Oracle Staff, champs (662926)
- Oracle Veterans Program (885136208)

Propiedades | Objetivos | Permisos | **Gestionar Usuarios** | Más...

ORACLEACAD ORG: Usuarios

Gestione los usuarios de esta organización. Introduzca un valor en el campo Filtro para buscar usuarios que coincidan con un nombre de usuario, nombre, apellido o dirección de correo electrónico.

[Agregar Usuario](#)

Seleccionar Elemento(s) y... [Suprimir](#) Anterior Siguiente

[Seleccionar Todo](#) | [No Seleccionar Nada](#) Filtro [Ir](#)

| Seleccionar | Usuario | Apellido | Nombre | Correo Electrónico | Organización | Editar |
|--------------------------|------------|----------|---------|--------------------------------------|----------------|--------|
| <input type="checkbox"/> | pruebaPUE | Pruebas | Prueba | oracle.academy+elearning@pue.es | ORACLEACAD ORG | |
| <input type="checkbox"/> | pruebaFOAP | Pruebas | Pruebas | oracle.academy+pruebasFOAP@gmail.com | ORACLEACAD ORG | |

2 filas encontradas.

- Creación nuevas cuentas (alumno/Instructor)
- Asignación de alumnos a cursos (Java, SQL, PL/SQL,)
- Informes sobre el proceso completado de los cursos

Plataforma elearning: Certificados

Certificado oficial de participación y de superación de examen final de curso

ORACLE ACADEMY

- Miembro institucional
- Inicio
- Membresía
- Plan de estudios
- iLearning
- Application Express
- Certificados para estudiantes
- Capacitación
- Recursos
- Descuentos

Plan de estudio

Certifica

Tenemo
Academ
certifica
los dos

Para cre

- De
- Lea las instrucciones de otorgamiento.
- Imprima los certificados en el papel de su elección.

| Curso | Certificado de finalización de curso | Certificado de examen final |
|---|--------------------------------------|-----------------------------|
| Database Design and Programming with PL/SQL | Descargar | Descargar |
| Database Design and Programming with SQL | Descargar | Descargar |
| Java Fundamentals | Descargar | Descargar |
| Java Programming | Descargar | Descargar |

PLSQL_course_award.zip - WinRAR (evaluation copy)

File Commands Tools Favorites Options Help

Add Extract To Test View Delete Find Wizard Info VirusScan Comment SFX

PLSQL_course_award.zip\OA Course Completion Award - Database Programming with PL SQL - ZIP archive, unpacked size 246.272 bytes

| Name | Size | Packed | Type |
|---|---------|---------|--|
| .. | | | Disco local |
| Oracle Academy Award Instructions.doc | 188.928 | 169.468 | Documento de Microsoft Word 97-2003 |
| Oracle Academy Course Completion Award - Database Programming with PL SQL.doc | 41.472 | 22.671 | Documento de Microsoft Word 97-2003 |
| source.xls | 15.872 | 3.635 | Hoja de cálculo de Microsoft Excel 97-2003 |

Total 246.272 bytes in 3 files

Plataforma elearning: Certificados

Certificado oficial de participación y de superación de examen final de curso



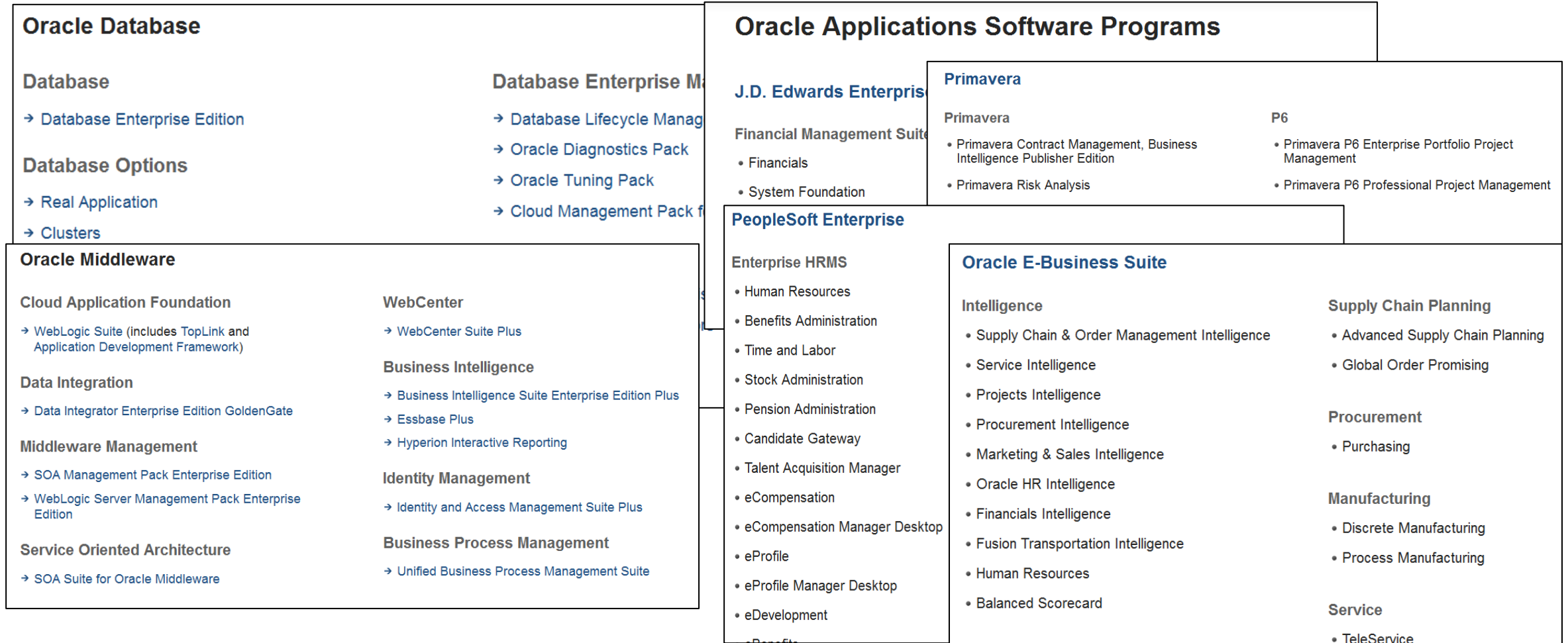
Beneficios del programa

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- E-LEARNING
- SOFTWARE
- MATERIAL DOCENTE
- RECURSOS DE MARKETING
- ORACLE PRESS



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Oracle Software Delivery Cloud

Para añadir elementos a la cola, introduzca el producto o la versión de Oracle en el campo de escritura anticipada siguiente y, a continuación, seleccione un valor en la lista de plataformas disponibles. El título se mostrará en la Cola de Descargas. Repita este paso para todos los títulos que desee descargar. Cuando finalice, pulse el botón 'Continuar'.
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| Cola de Descargas | Elemento Seleccionado | Plataforma |
|-------------------|--|-----------------------------------|
| | Oracle Database Standard Edition 2 (12c) | |
| | Oracle Database 12c: Administration Self-Study Course (Admin, Administration, DBA) | |
| | Oracle Database 12c: Backup and Recovery Self-Study Course | Linux x86 |
| | Oracle Database 12c: Install and Upgrade Self-Study Course (Admin, Administration, DBA) | Linux x86-64 |
| | Oracle Database 12c: New Features for Administrators Self-Study Course | Microsoft Windows (32-bit) |
| | Oracle Database Enterprise Edition (Database 12c, RDBMS) | Microsoft Windows x64 (64-bit) |
| | Oracle Database Standard Edition (Database 12c, RDBMS) | Oracle Solaris on SPARC (64-bit) |
| | Oracle Database Standard Edition One (Database 12c, RDBMS) | Oracle Solaris on x86-64 (64-bit) |
| | Oracle Enterprise Manager Cloud Control 12c: Management Bundle Self-Study Course | |

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Preguntas/Opiniones Contacto con Servicio al Cliente de Software Delivery.

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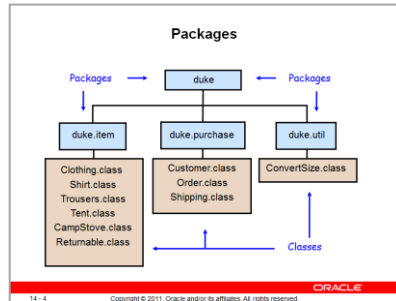
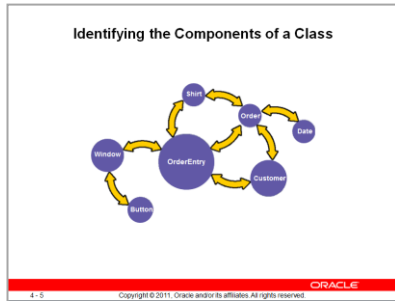
Beneficios del programa

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- E-LEARNING
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- MATERIAL DOCENTE
- RECURSOS DE MARKETING
- ORACLE PRESS



Material docente

Transparencias para el instructor



Guía del estudiante

Quiz

Using the `String` class defined in this lesson, determine what will be printed in the following fragment:

```
String s = "Oracle Academy";  
String t = "Oracle Academy";  
System.out.println(s == t);
```

Options:

- a. `True`
- b. `False`
- c. `Null`
- d. an empty `String`

Casting Rules

For downward casts, the compiler must be satisfied that the cast is at least possible.

```
Employee e = new Employee();  
Manager m = (Manager) e;
```

Diagram illustrating casting rules.

Guía de actividades

Java SE 7 Programming

Activity Guide

Practice 5-6: Summary Level: Creating Subclasses

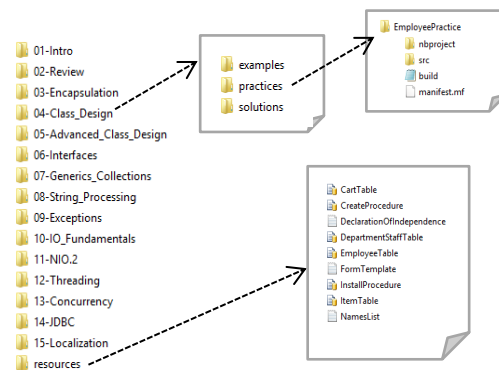
Overview

Use the Java class diagram to help guide this practice.

Tasks

1. Create the `Animal` class.
2. Apply encapsulation to the `Animal` class.
3. Make the `Animal` class abstract.
4. Repeat the previous step for `Equine` with a constructor that takes `String`, `String`, and `String`.
5. Repeat all the steps for `Equine` with a constructor that takes `String`, `String`, and `String`.
6. Add a method named `isAdult` with a parameter of type `Animal` called `candidate` to implement the ability.
7. Save the program.

Laboratorios



Guía de instalación

Java SE 7 Installation Wizard

Java SE 7 Installation Wizard

All-in-One

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Recursos de Marketing: Welcome Kit y eBadge

Kit de bienvenida:

- Carta de bienvenida.
- Placa identificativa con el nombre del centro serigrafiado.
- Banderola de lona con el logotipo identificativo del programa

Ebadge:

- Distintivo **eBadge** a utilizar en redes sociales y/o en la firma de su correo electrónico, etc.

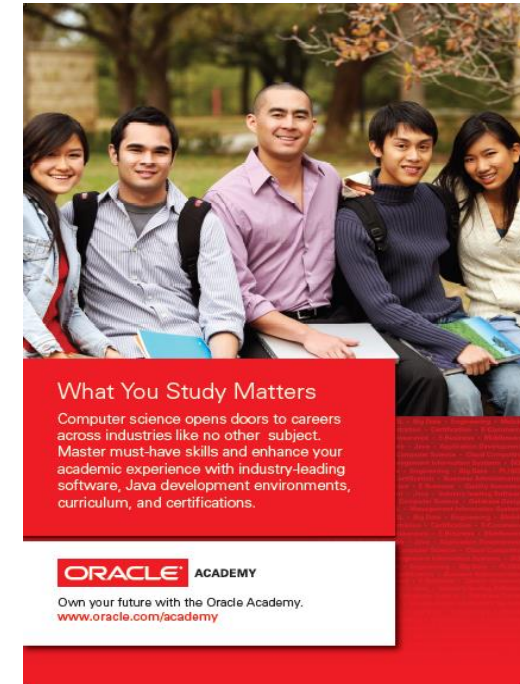
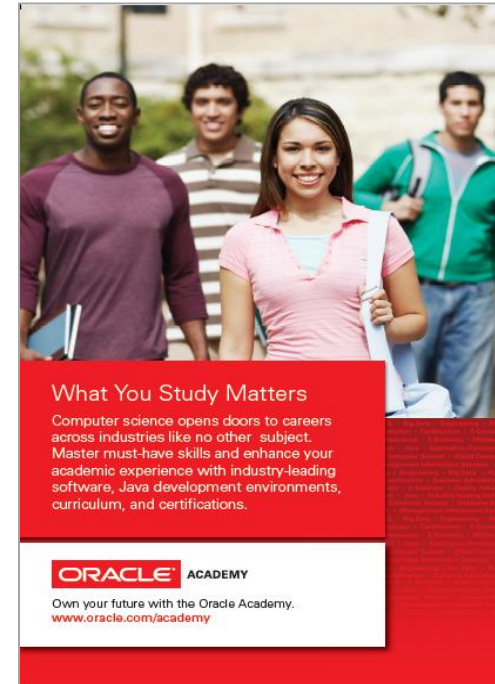
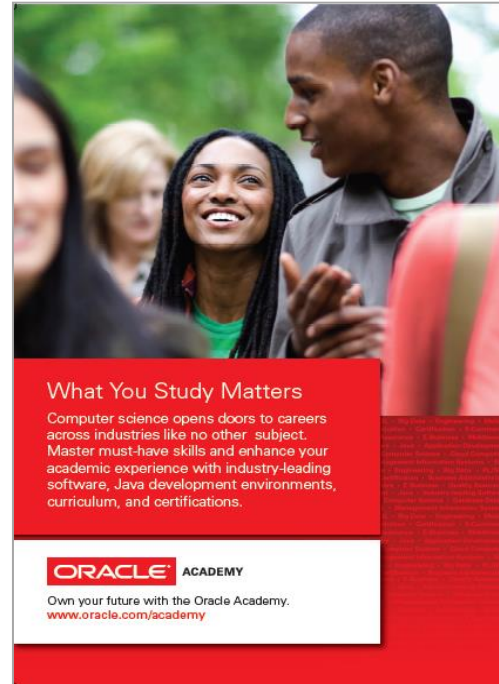
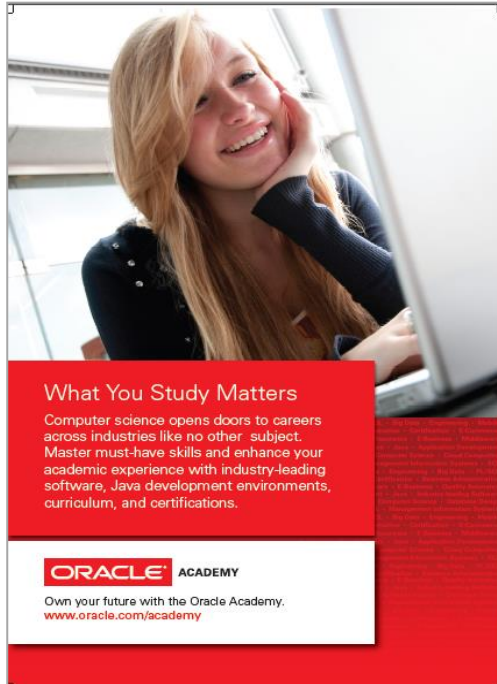


Recursos de Marketing: Logo oficial



- Los miembros del programa tienen derecho a utilizar los logos oficiales del programa para promover su figura de centro de formación académico oficial de Oracle.
- Disponibles en color con fondo blanco o negro.
- Tres formatos de archivo disponibles: gif, bmp y eps.
- Normas de uso del logo: [Academy Logo Usage Guidelines](#)

Recursos de Marketing: Posters académicos



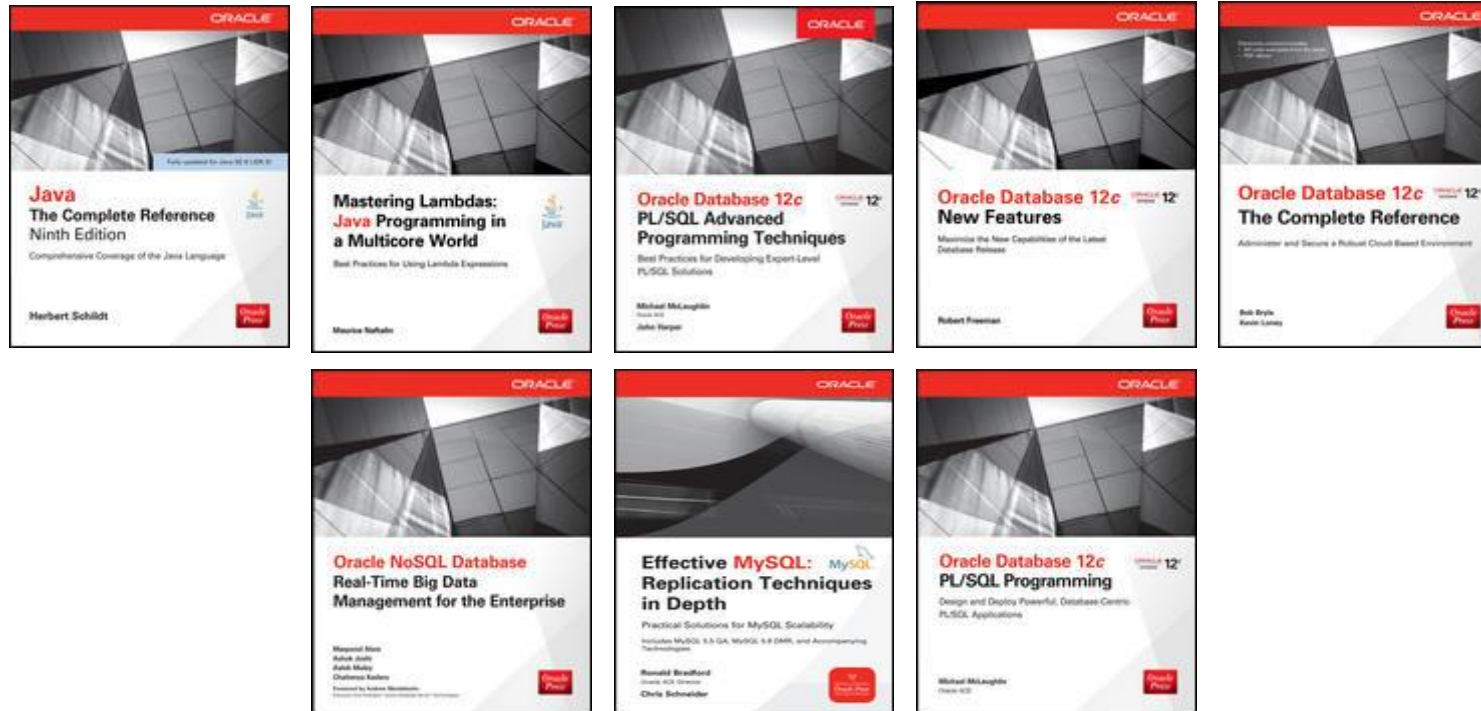
- Varios posters disponibles en formato 63 cm x 93.5 cm para ser usados como material promocional.

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