Oracle Academy Program Overview

Oracle in Education

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Oracle Academy Program Manager
May 20, 2016

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Oracle Corporation

Scale

- $38.2B in revenue in FY15 *
- 400,000 customers in 145 countries
- $39B in R&D since 2004
- $60B on more than 100 acquisitions
- More than 25,000 partners
- More than 132,000 employees
- 18,000 customer support specialists, speaking 29 languages
- 17,000 implementation consultants
- 2.2 million students supported annually

Innovation

- #1 in 50 product/industry categories
- #2 software company in the world
- #2 cloud company in the world
- #16 of 100 Top Global Brands, Interbrand 2014
- More than 17,000 patents worldwide
- 38,000 developers and engineers
- 15 million developers in Oracle online communities
- 900 independent Oracle user groups with 500,000 members

* GAAP revenue reported in USD as of May 31, 2015

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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.

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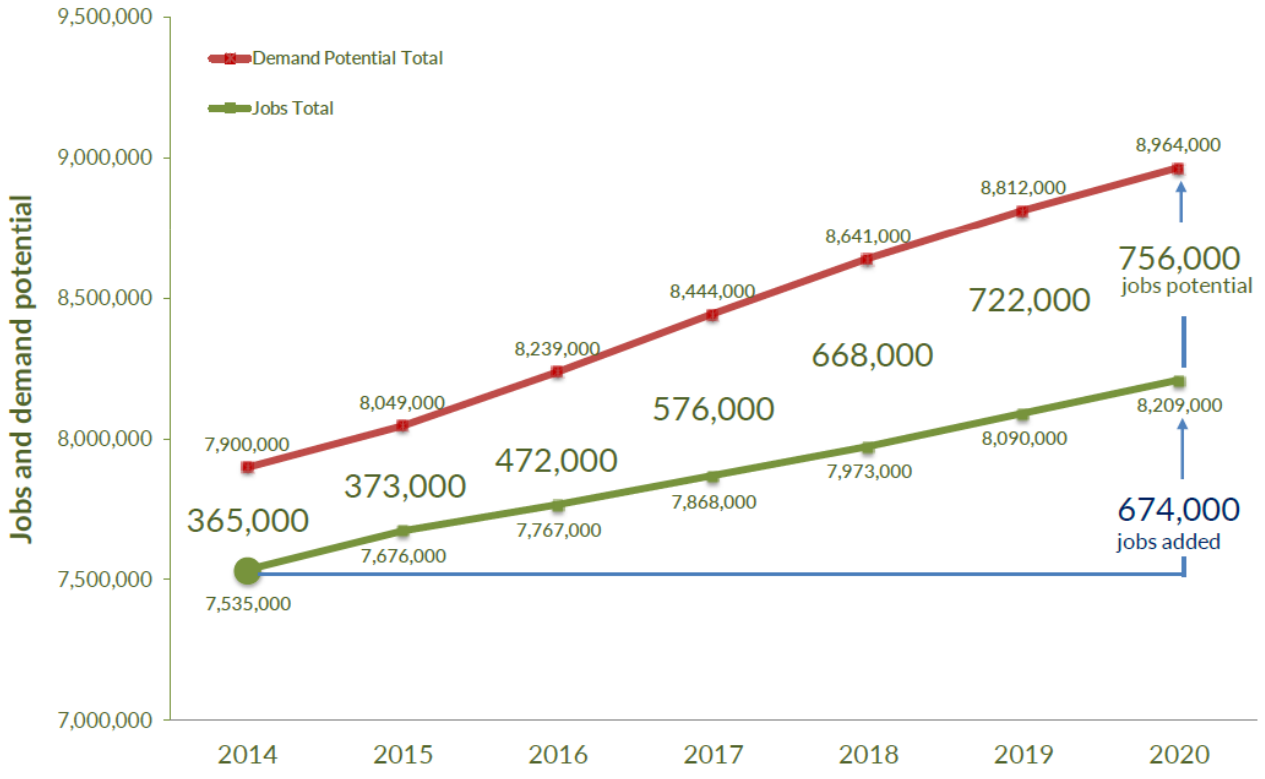
EU & ICT labor needs



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Shortage of 750,000 ICT professionals

by 2020 risks potential for growth and digital competitiveness in Europe.

https://ec.europa.eu/digital-agenda/en/grand-coalition-digital-jobs

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1.4 million

new computer science jobs in the United States by 2020 with only 400,000 new B.S. graduates in computer science

U.S. Bureau of Labor Statistics

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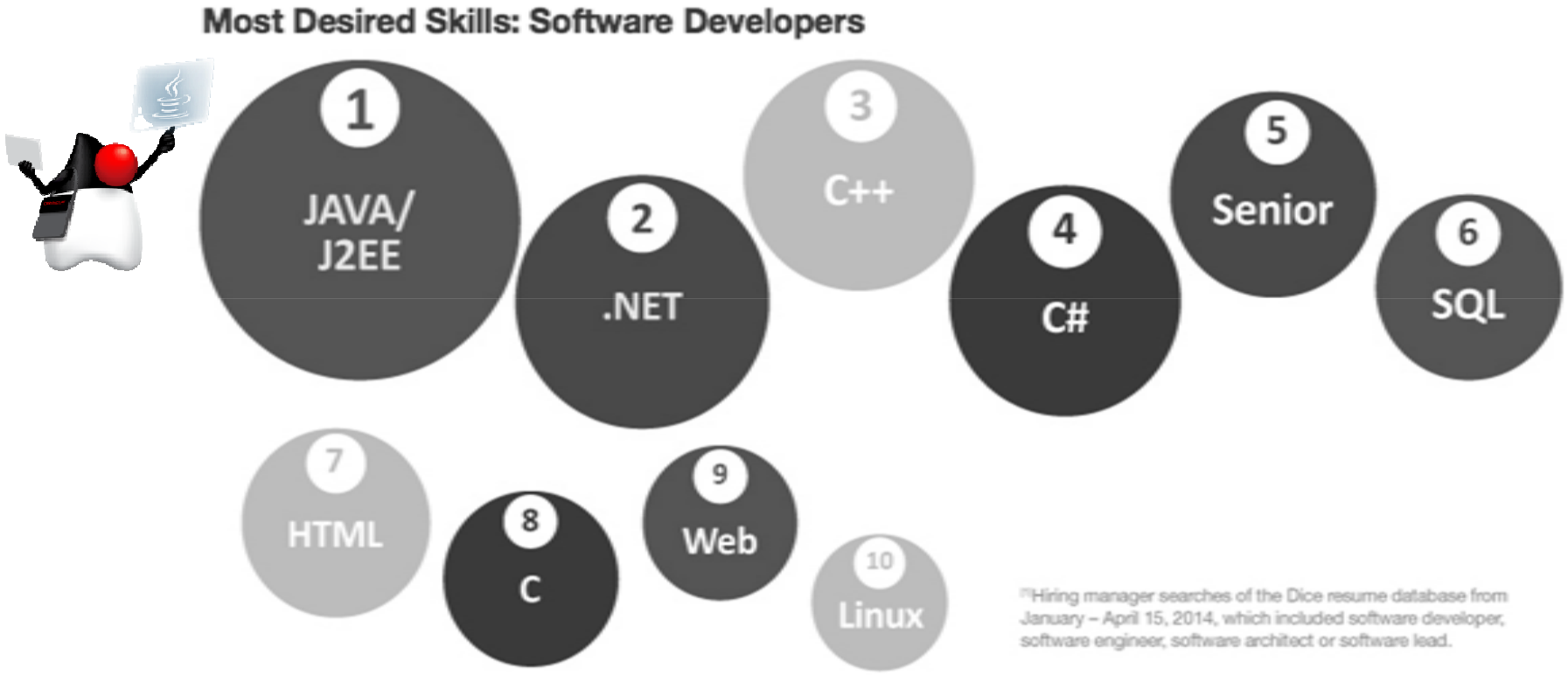
What Knowledge Do Students Need?



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What Is Oracle Academy?

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

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

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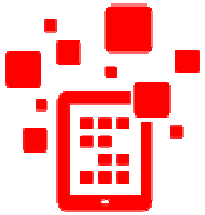
Oracle Academy

Delivers a complete portfolio of software, curriculum, educator training, support and certification resources

Present in **106** countries

2.6+ M Students Reached Annually



Provides access to the same technologies that drive industry

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Oracle Academy Institutional Member Benefits

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Community

BADGES, LOGOS & MERCHANDISE

ENGAGE WITH EXPERTS

Java.net

ORACLE TECHNOLOGY NETWORK

ORACLE OPEN WORLD & JAVA ONE

ORACLE OPEN WORLD

JavaOne

Certification

CERTIFICATION PREPARATION & EXAMS

50% OFF Preparation

ORACLE CERTIFICATION PROGRAM

25% OFF Exams

Training

FACULTY PROFESSIONAL DEVELOPMENT

IN-CLASS TRAINING

VIRTUAL + IN-CLASS TRAINING

VIRTUAL INSTRUCTOR LED

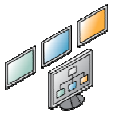
INDIVIDUAL LEARNING

WORKSHOPS IN A BOX

SELF-SERVICE RESOURCES

Learning Resources

CURRICULUM



ORACLE PRESS BOOKS

Oracle Press

LECTURE SERIES

TECHNICAL ARTICLES

ORACLE MAGAZINE Java magazine

WEBCASTS & PODCASTS

Technology

CLOUD ENVIRONMENTS

ORACLE Application Express

JAVA DEVELOPMENT ENVIRONMENTS

Alice

eclipse

NetBeans

ORACLE SOFTWARE

ORACLE DATABASE

ORACLE FUSION MIDDLEWARE

ORACLE E-BUSINESS SUITE

Oracle Academy Individual Member Benefits

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Community

BADGES, LOGOS & MERCHANDISE

ENGAGE WITH EXPERTS

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ORACLE TECHNOLOGY NETWORK

ORACLE OPEN WORLD & JAVA ONE

ORACLE OPEN WORLD

JavaOne

Training

INDIVIDUAL LEARNING

WORKSHOPS IN A BOX

SELF-SERVICE COURSES

Learning Resources

ORACLE PRESS BOOKS

Oracle Press

LECTURE SERIES

TECHNICAL ARTICLES

ORACLE MAGAZINE Java magazine

WEBCASTS & PODCASTS

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CLOUD ENVIRONMENTS

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eclipse

NetBeans

ORACLE SOFTWARE VIA OTN

ORACLE DATABASE

ORACLE FUSION MIDDLEWARE

ORACLE E-BUSINESS SUITE

Oracle Academy Academic Curriculum

- Designed for **high schools, vocational schools, two-year colleges** and **universities**
- Educators receive **training , curriculum, software & resources** to teach programming and database skills

Workshops

- Alice (8 Hours)
- Greenfoot (16 Hours)

Academic Curriculum

- Java Fundamentals (90 Hours) → Java Programming (90 Hours)
- Database Design and Programming with SQL (180 Hours) → Programming with PL/SQL (180 Hours)

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Oracle Academy Curriculum

Program	Offering
Early Programming	• Getting Started with Java Using Alice • Creating Java Programs Using Greenfoot

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Workshop Descriptions

Getting Started with Java Using Alice

This workshop is designed for students with little or no programming experience and teaches basic Java programming concepts through developing 3-D Animations in Alice 3.1.
Students will have fun creating animated stories and games using objects and characters from a rich gallery of 3-D models.

Duration 8 Hours

Creating Java Programs with Greenfoot

This workshop engages students who understand basic programming concepts to create 2-D games using Java. Students will learn detailed object-oriented programming terminology and concepts while creating 2-D games in a fun and interactive environment.

Duration 16 Hours

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Academic Curriculum Descriptions - Java

Java Fundamentals

This course of study engages students with little or no programming experience. Participants are introduced to object-oriented concepts, terminology, syntax, and the steps to create basic Java programs. Hands-on, engaging activities to program 3-D animations, develop 2-D games and create Java applications.

Duration 90 Hours

Java Programming

This course of study builds on the skills gained by students in Java Fundamentals and helps to advance Java programming skills. Participants will design object-oriented applications with Java and will create Java programs using hands-on, engaging activities.

Duration 90 Hours

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Our Mission

Oracle Academy advances computer science globally to drive knowledge, skills development, innovation and diversity in technology fields.

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

– Alison Derbenwick Miller, Vice President, Oracle Academy

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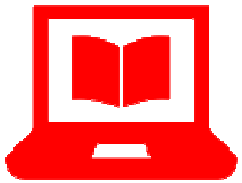
Oracle Academy Institutional Member Benefits : Summary

Training: In Class, Virtual, Blended Mode, Workshops, Ask the Expert Series, Podcasts, Online Learning Library

Access To Software: Java Development Environments, Oracle Software, Hosted Labs

Oracle University: 50% Discount

Oracle Certification: 25% Discount



Oracle Curriculum: Courses, Oracle Press Books, Online Learning Library

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Members in Croatia and Bosnia-Herzegovina

Membership is open to students, educators and accredited institutions of learning. Members can incorporate curriculum into degree-granting programs and prepare students with in-demand skills

oracle.com/academy

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Oracle Academy in Croatia

100 institutions enrolled by 10. 5. 2016:

- 42 Primary Schools
- 13 Vocational Schools
- 11 Grammar Schools
- 12 High Schools
- 16 Faculties
- 6 Universities (Dubrovnik, HKS, Pula, Rijeka, Sjever, Zadar)

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How to access Oracle Academy curriculum?

Demo

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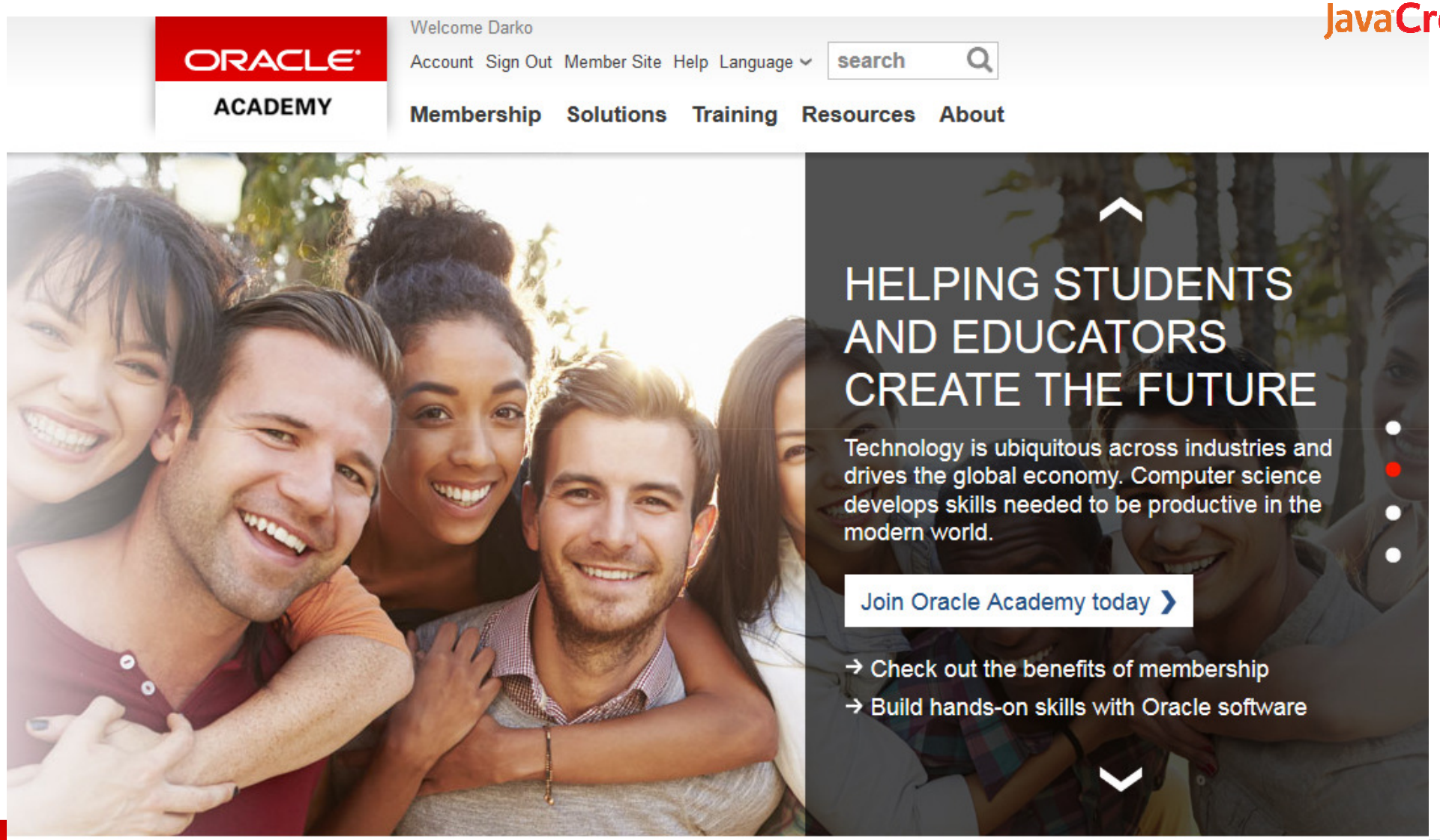

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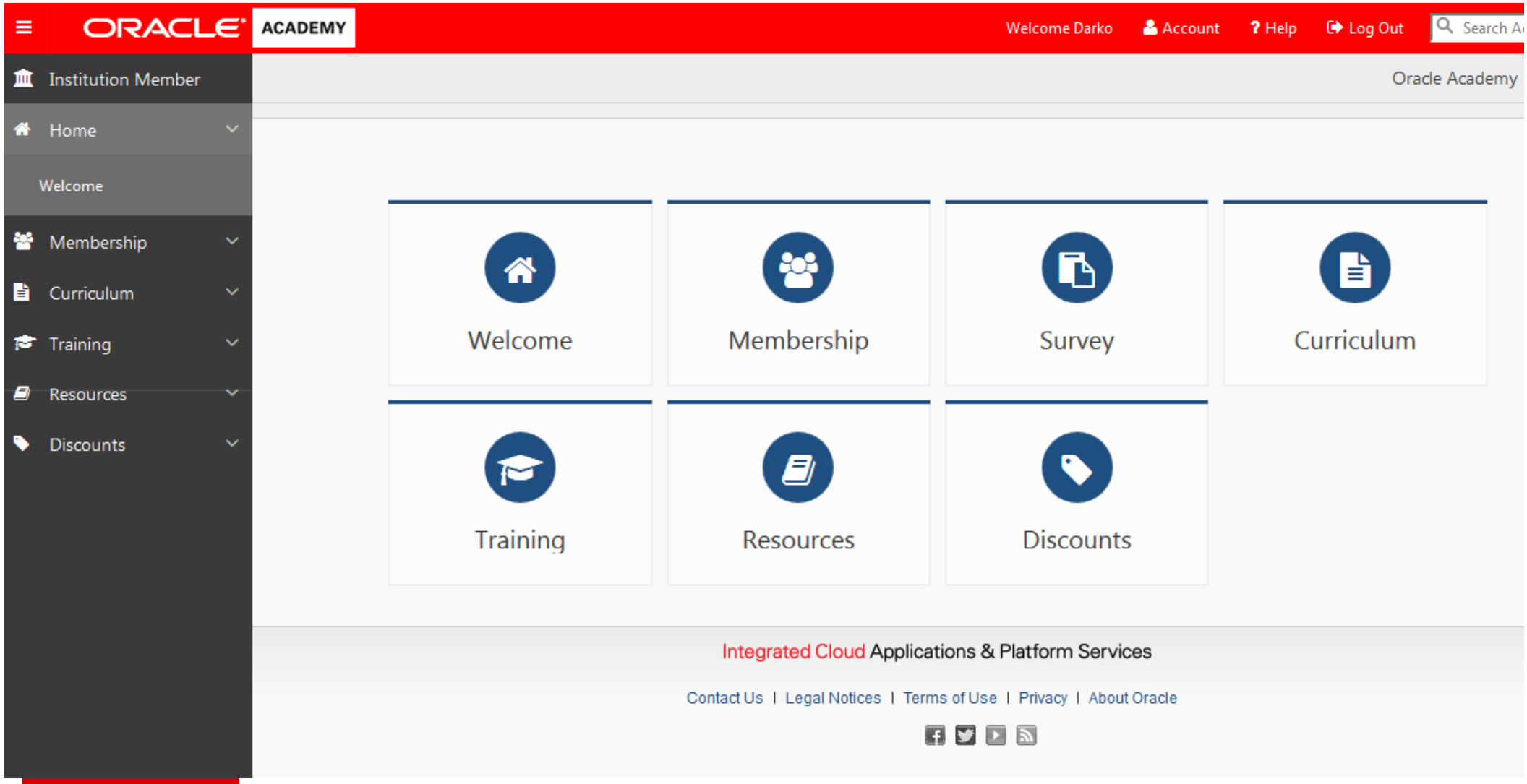

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Oracle Academy Curriculum

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Available exclusively to Oracle Academy Institutional members, our comprehensive curriculum offerings are created by professional educators and enable educational institutions to offer computer science course pathways lasting from one semester (or less) to three full years. Complete descriptions of our full curriculum courses can be found here, and descriptions of our Workshops can be found here.

To utilize our curriculum to maximum benefit, you'll want to take advantage of the technologies incorporated into our courses: Oracle iLearning, Oracle Application Express (APEX), Oracle SQL Developer Data Modeler, and a variety of freely available Java development environments. To learn more about these technologies, click here.

Our Alice and Greenfoot Workshops, Java Fundamentals course, and Java Programming course use a variety of freely available Java development environments (JDEs). JDEs must be locally installed on each user's computer. Information and links to download required JDEs are incorporated into the applicable curriculum materials within iLearning.

To learn how to access Oracle iLearning and Oracle Application Express (APEX), click on the boxes below.

iLearning

Oracle iLearning ("iLearning") is an online learning management system that provides you with the curriculum, assessments, practices, projects and teaching resources.

Application Express

Oracle Application Express ("APEX") is cloud-based software used for labs and practices in our Database Design and Programming with SQL and Programming with PL/SQL courses.

Student Certificates

Present certificates to your students who complete Oracle Academy courses and final exams.

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Access iLearning | Request iLearning Account

Your Oracle iLearning account provides you with the curriculum, assessments, practices, projects and teaching resources required to successfully deliver Oracle Academy courses in your classroom, and is available to you at no cost. From your iLearning account, you will also have the ability to administer student accounts, assign curriculum to students and produce reports to monitor student progress and achievement.

Oracle iLearning requires a separate account and password from your Oracle Academy membership. Once created, your iLearning accounts and associated student accounts will remain valid for as long as your Oracle Academy Institutional membership remains in good standing.

If you are an Institutional member and do not yet have an iLearning account, please request one here.

Once you have received an email with your iLearning password (which also serves as confirmation your iLearning account has been created), follow these steps to access iLearning:

1. Go to http://ilearning.oracle.com/ilearn/en/learner/jsp/login.jsp?site=OracleAcad
2. Enter your username and password
3. Click "Login"

Within iLearning, you will find detailed instructions for how to:

- Navigate iLearning
- Navigate instructor and student versions of curriculum
- Navigate instructor and student resources
- View course outlines and delivery maps
- Implement technical requirements
- Create and administer student accounts
- Assign curriculum to students
- Produce reports to monitor student progress and achievement
- Produce student certificates of completion

If you need assistance with or more information about iLearning, please check out our Help section.

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Login

Login

Username:

Password:

Remember My Password

Login

Forgot Password?

Welcome to Oracle iLearning

Attention Oracle University Knowledge Center Subscribers:
Click here and to continue accessing your online training courses. Sign-in using your Single Sign-On username and password if prompted.

Oracle Employees: To access your online training courses Click here and login to Oracle University Knowledge Center.

Oracle iLearning is an enterprise Learning Management System (LMS) and a core component of Oracle's E-Business Suite. Oracle iLearning provides a complete infrastructure for organizations to manage, deliver, and track training for online and classroom based environments. Use Oracle iLearning to:

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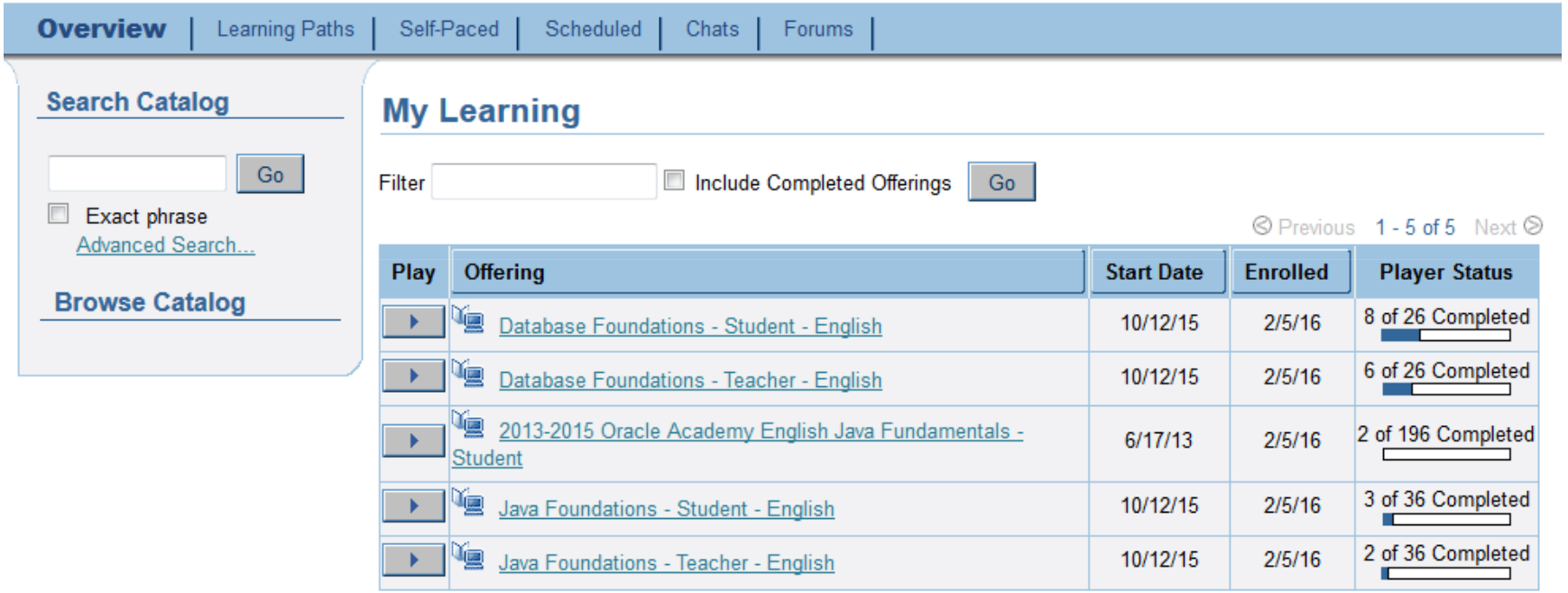

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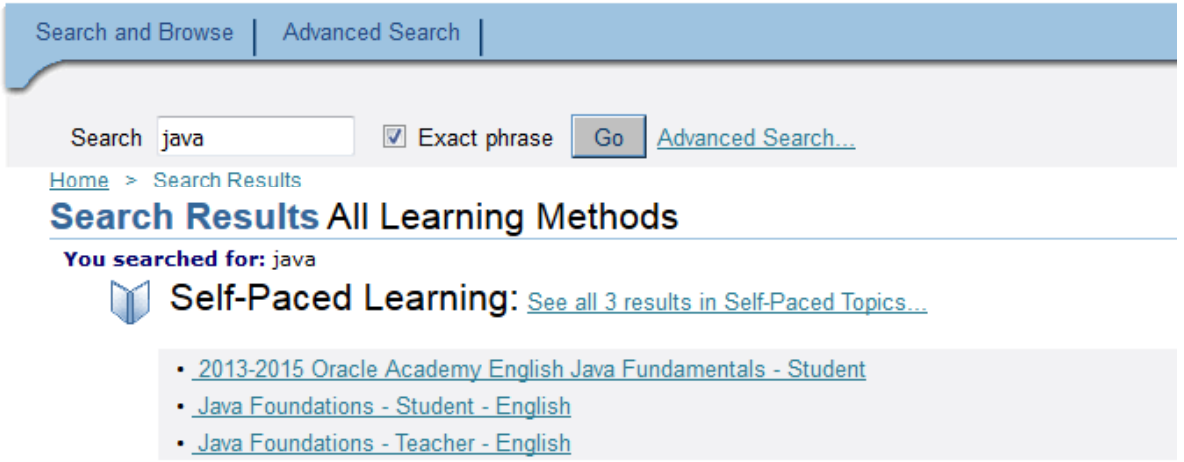

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Q&A?

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Thank you!

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