MissionOCAJ8

Course Details

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Introduction

MissionOCAJ8 is your coach to prepare for the 'Oracle Certified Associate Java SE 8 Programmer I' certification exam. This course will equip you with the techniques to make a successful jump into the category of certified Java professionals and be present as a safety net to save you from any hard falls.

Developed by Mala Gupta, author of Manning's 'OCA Java SE 8 Programmer I Certification Guide', the course includes a hands-on project, which covers all exam objectives. It also includes multiple quizzes, sample exam questions, images, and explanations to reinforce key concepts.

Target Audience

This course is for students or Java programmers, who are comfortable with the basics of the Java language.

Entry criteria

- You should be comfortable with basic Object Oriented Programming concepts and with writing basic Java classes.
- In terms of formal education, we do not enforce strict criteria, but we recommend this course to those who have completed their high school (12 years equivalent of education in the respective countries).
- You should have fair knowledge of English language, since the medium of instruction is currently in English. We will be launching courses in other languages in future.

OCA Version

This course is offered for Java SE 8 Programmer I (exam number 1Z0-808)-Java version 8.

Course Duration

The course duration is 12 weeks with mentor support. You are expected to put in approximately 15 hours per week in study.

Number of study hours required per week depends on individual learning curves and backgrounds. The course duration is the period for which mentor support is provided. You can contact your course advisor to buy additional mentor support.

Course Objectives

- Complete coverage of all exam topics.
- Implement all exam topics using hands-on project.
- Familiarization with the exam-how to avoid built-in exam traps and pitfalls.

Courseware

We follow the following book for this course.
- Manning's 'OCA Java SE 8 Programmer I Certification Guide', by Mala Gupta
  - http://manning.com/gupta/

An electronic version of this book is included in the course.

Course plan

Divided into 12 weeks, the course aims for structured exam preparation. Each candidate works with the book's chapter and the hands-on project.
Every week you'll connect with your mentor using audio or video conference calls to:
1. Share the fun-your 'aha' moments with the exam preparation during the week.
2. Get a piece of examiner's mind-Create and share one sample exam question.

Week1: Learn to drive, before you learn to appear for your driving test.
- Introduction to the course mentor.
- Hands-on experience with the course project.
- Evaluation of course project.

What you'll learn by the end of the week:
- Implementation of all exam objectives using the course project.

Week2: Self reading of chapter 1-Java Basics
What you'll learn by the end of the week:
- The structure of a Java class and source code file
- Executable Java applications
- Java packages
- Java access modifiers
- Nonaccess modifiers

Week3: Self reading of chapter 2-Working with Java data types
What you'll learn by the end of the week:
- Primitive data types
- Valid identifiers
- Assignment operators
- Arithmetic operators

- Relational operators
- Logical operators
- Wrapper classes

Week4: Self reading of chapter 3-Methods and encapsulation
What you'll learn by the end of the week:
- Scope of variables
- Object's lifecycle
- Create methods with arguments and return values
- Create an overloaded method
- Constructors of a class
- Overloaded constructors
- Accessing object fields
- Applying encapsulation principles to a class
- Passing objects and primitives to methods

Week5: Self reading of chapter 4-Arrays and selected classes from Java API
What you'll learn by the end of the week:
- The class String
- The class StringBuilder
- Arrays
- ArrayList
- Comparing objects for equality
- Date Time API

Week6: Self reading of chapter 5-Flow Control
What you'll learn by the end of the week:
- if and if-else constructs
- switch statements
- for loops
- Enhanced for loops
- while and do-while loops
- Comparing loop constructs
- Loop statements (break and continue)
- Labeled statements

Week7: Self reading of chapter 6-Working with inheritance
What you'll learn by the end of the week:
- Inheritance with interfaces and classes
- Reference variable and object types
- The need for casting
- Using super and this to access objects and constructors
- Polymorphism with classes
- Interfaces-abstract, default and static methods

- Introduction to functional style programming with lambdas

Week8: Self reading of chapter 7-Exception handling
What you'll learn by the end of the week:
- Why handle exceptions separately
- Categories of exceptions
- An exception is thrown
- Checked exceptions
- Runtime exceptions
- Errors
- Commonly occurring exceptions, categories, and classes

Week9: Mock exam 1
Week10: Mock exam 2
Week11: Mock exam 3
Week12: Mock exam 4
What you'll learn by the end of the week number 9, 10, 11 and 12:
- How to time yourself to answer the real exam.
- How to self analyze incorrect answers.
- How to refresh and prepare notes for incorrect questions.
- How to identify topics on which you repeatedly answer questions incorrectly.
- How to modify any two exam questions and post for peers to answer.

Course Fee and Payment terms

Fee for MissionOCAJ8 course:

12 weeks course - **299 US$** (mentor support of 3 months)
Additional mentor support fee: **99US$**/ month

Payment can be made through Credit Card, Paypal or Electronic Fund transfer within 7 calendar days of start of course. A separate invoice shall be raised for this purpose with relevant details.

We encourage you to **use the 7-day period available for payment of fee as evaluation** period. Fee once paid will not be refunded under any circumstances.