Course Name - Java SE 11: Programming Complete
Course Code - D107122GC10

Course Goals

In this course, you learn how to implement application logic using Java SE:

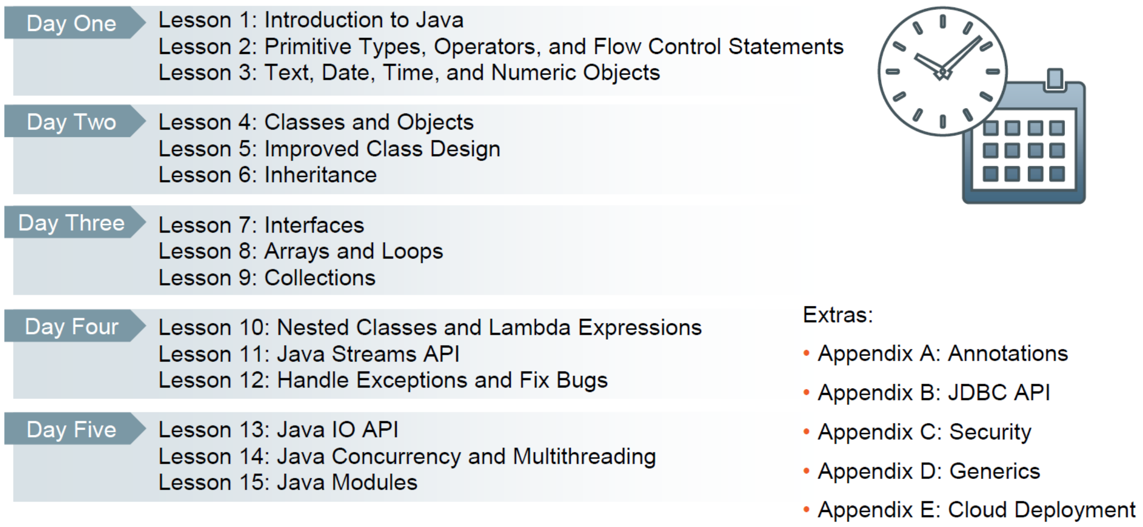
- Describe the object-oriented programming approach
- Explain Java syntax and coding conventions
- Use Java constructs and operators
- Use core Java APIs, such as Collections, Streams, IO, and Concurrency
- Deploy Java SE applications

Audience

The target audience includes those who:

- Have some non-Java programming experience and want to learn Java
- Have basic knowledge of Java and want to improve it
- Prepare for the Java SE 11 Certification exams

Course Schedule



Day One	Lesson 1: Introduction to Java Lesson 2: Primitive Types, Operators, and Flow Control Statements Lesson 3: Text, Date, Time, and Numeric Objects
Day Two	Lesson 4: Classes and Objects Lesson 5: Improved Class Design Lesson 6: Inheritance
Day Three	Lesson 7: Interfaces Lesson 8: Arrays and Loops Lesson 9: Collections
Day Four	Lesson 10: Nested Classes and Lambda Expressions Lesson 11: Java Streams API Lesson 12: Handle Exceptions and Fix Bugs
Day Five	Lesson 13: Java IO API Lesson 14: Java Concurrency and Multithreading Lesson 15: Java Modules

Extras:
- Appendix A: Annotations
- Appendix B: JDBC API
- Appendix C: Security
- Appendix D: Generics
- Appendix E: Cloud Deployment

Note:- Appendix A,B,C,D,E are homework for the student

Course Practices

During the course practice sessions, you:

- Explore the features of Java language
- Apply the knowledge gained throughout the course to develop a product management application

The practice environment uses:

- JDK 11
- JShell
- NetBeans 11

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