Java SE7

Unit 1: Java Fundamentals (prepares you for OCJA certification)

What you will learn

This Java SE 7 Fundamentals course enables students with little or no programming experience to begin to learn programming using the Java programming language. It teaches the significance of object-oriented programming, the keywords and constructs of the Java programming language and the steps required to create simple Java technology programs.

Course Objectives

- Develop classes
- Define the term and Java programming syntax
- Writing a Java program, compile and runs successfully
- Declare and initialize variables, list several primitive data types
- Instantiate an object and effectively use object reference variables
- Use operators, loops, and decision constructs, Arrays and ArrayLists
- Use of an Integrated Development Environment (IDE)
- Arguments and return values, and use of inheritance
- Error handling in a Java program

Who Should Attend

Application Developers, Portal Developer, Project Manager, Technical Consultant, Web Administrator

Unit 2: Programming with Java (prepares you for OCJP certification)

What you will learn

This training covers the core Application Programming Interfaces (API) which is used to design object-oriented applications with Java. It will teach you how to write database programs with JDBC.

Course Objectives

- Ability to create Java technology applications with the latest JDK 7 Technology and the NetBeans Integrated Development Environment (IDE).
- Use of design patterns and knowledge of best practices in the use of the language to create stable and professional Java applications. Get hands on experience with files, directories and file systems
- Write database applications using standard SQL queries through JDBC.
- Create multi-threaded applications and create classes that subclass other classes, extend abstract classes and program with interfaces
- Use of exceptions and the Collections framework

Who Should Attend

Java Developer, Non Java Developer, J2EE Developer