



Make the Future Java



Java SE 7 Programming

Course Description:

This Java SE 7 Programming training covers the core Application Programming Interfaces (API) you'll use to design object-oriented applications with Java. Instructors will teach you how to write database programs with JDBC.

what you will learn

- Perform multiple operations on database tables, including creating, reading, updating and deleting using JDBC technology
- Process strings using a variety of regular expressions.
- Create high-performing multi-threaded applications that avoid deadlock
- Localize Java applications.
- Create applications that use the Java Collections framework.
- Implement error-handling techniques using exception handling.
- Implement input/output (I/O) functionality to read from and write to data and text files and understand advanced I/O streams
- Manipulate files, directories and file systems using the JDK7 NIO.2 specification
- Apply common design patterns and best practices.

- Create Java technology applications that leverage the object-oriented features of the Java language, such as encapsulation, inheritance, and polymorphism
- Execute a Java technology application from the command line.

The contents of the program:

- Java Platform Overview
- Java Syntax and Class Review
- Encapsulation and Polymorphism
- Java Class Design
- Advanced Class Design
- Inheritance with Java Interfaces
- Generics and Collections
- String processing
- Exceptions and Assertions
- I/O Fundamentals
- File I/O with NIO 2
- Threading
- Concurrency
- Database Application with JDBC
- Localization

The target group:

- Developer
- Java Developer
- Java EE Developer
- J2EE Developpe

Al-Quds Open University - Continuing Education and Community Service Center
Al-Ersal, Ramallah, Palestine

Tel: 00972-2-2964571 ext. 128 Fax: 00972-2-2950380

P.O.Box: 1804 Email: cec@qou.edu