



Course Goals and Non Goals



➤ Course Goals

Use of Core JDK 1.8 API including JDBC 4.0

➤ Course Non Goals

- Developing GUI applications



Pre-requisites



- Core Java
- DBMS SQL

Intended Audience



Developers new to Java technology



Day Wise Schedule



Day 1:

- Lesson 1: Introduction to JDBC
- Lesson 2: Getting Started With JDBC
- Lesson 3: Performing Basic CRUD Operations using JDBC

Table of Contents



Lesson 1: Introduction to JDBC

- Introduction to JDBC
- Architecture of JDBC
- Role of Driver Manager
- Understanding JDBC Driver Types

Lesson 2 : Getting Started with JDBC

- Connecting to Database using JDBC
- Managing Database resources
- Handling JDBC Exceptions

Lesson 3 :Performing Basic CRUD Operations using JDBC

- Executing Static SQL Statements
- Iterating Through ResultSets
- Understanding Scrollable ResultSets
- Understanding Updatable ResultSets
- Understanding PreparedStatement
- Retrieving Data Using PreparedStatement
- Inserting the Record
- Updating the Record
- Removing the Record

References



Books:

- Java, The Complete Reference; by Herbert Schildt
- Thinking in Java; by Bruce Eckel
- Beginning Java 8 Fundamentals by Kishori Sharan



Websites:

- Java home page: <http://java.sun.com/>
- JDK 1.8 documentation: <http://docs.oracle.com/javase/8/docs/>

Next Step Courses



Hibernate

