

Advance java syllabus

Introduction & installation:

- ✓ Basic of SQL and DDL
- ✓ DML statements in SQL
- ✓ Oracle 11g installation
- ✓ What is JDBC
- ✓ JDBC Driver types
- ✓ Database Data Types

Steps to connect to in JDBC:

- ✓ Transaction Management
- ✓ Exception Handling

Exercise on SQL and JDBC:

- ✓ Overview of HTML
- ✓ How to create your first HTML page
- ✓ Tags and Attributes
- ✓ Paragraph
- ✓ Style and Formatting
- ✓ Text items
- ✓ Creating tables Creating links and lists
- ✓ Creating backgrounds
- ✓ Forms in HTM

Exercise on HTML:

- ✓ XML Fundamentals, XML Document Structure
- ✓ XML Parsers XMLDTDs & XMLSchema
- ✓ Introduction to Web application,
- ✓ Building and deploying Web application
- ✓ Introduction to HTTP
- ✓ Basics of Servlet, Servlet Life Cycle, Types of Servlets

- ✓ Servlet Request and Response
- ✓ Servlet Handling, Database Connectivity in Servlet
- ✓ Exception handling, Session handling, Page redirection
- ✓ Uploading Files, Autorefreshing

Exercise on Servlets:

- ✓ Introduction to JSP
- ✓ How to create your first JSP
- ✓ Components of JSP – Scriptlets
- ✓ expression and declaration
- ✓ Implicit Objects
- ✓ Action elements
- ✓ HTML Forms
- ✓ MVC architecture Session handling
- ✓ JSP-Auto refresh Overview
- ✓ Variables
- ✓ Operators
- ✓ Objects
- ✓ Control Flow Statements
- ✓ Functions
- ✓ Error Handling
- ✓ Event handling
- ✓ Validations

JavaScript:

- ✓ JavaScript Window
- ✓ JavaScript Documents

Exercise in JSP and JavaScript:

- ✓ Overview of EJB
- ✓ Components of EJB
- ✓ Session Beans
- ✓ Message-Driven Beans

- ✓ JMS API
- ✓ Final project submission