

Adv. Diploma **in JAVA** **Development**



About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job oriented training programs to both students & corporate from experts in both classroom & online training format. Our wide range of courses blended by our placement assistance process have helped our students from both IT & non IT fields to make career in IT Industry.

Overall 30+ Courses - 700+ Companies - 1000s Trained !

Courses Offered - SAP modules, JAVA, Dot Net, Software Testing, Web Development, Oracle, Digital Marketing, Python, Data Science & A.I., Salesforce, Tableau, Power BI, Android, Hybrid Apps, R, Hadoop etc. please visit website for details.

Our Live Projects - BiodataKing, TeriMeriChoice, theVibrantBirdie etc.

About The Course

Java is 1 of Leading Technologies in World in all formats Desktop, Web & Mobile Applications. Hence it always have job opportunities in IT Industry. In this course you will Learn All Latest Java Technologies viz. Core Java, Adv. Java & Java Frameworks like Spring & Hibernate along with good hands on SQL with Projects to help you develop a full fledged multi-tiered Java Application. You will learn on industry leading Eclipse & Apache Tomcat tools with blend of MAVEN repository. At the end of the course you can start developing projects and **can become a Full Stack Java Developer !**

Who Can Learn ?

Fresher or Experienced candidates from either IT or non IT background who want to Build their Career as Java Developer.

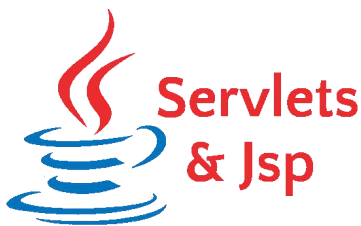
Any Pre-requisites ?

None ! We will teach you right from Basics. Hence anyone can learn.

Duration

4 months

Tools You Will Learn

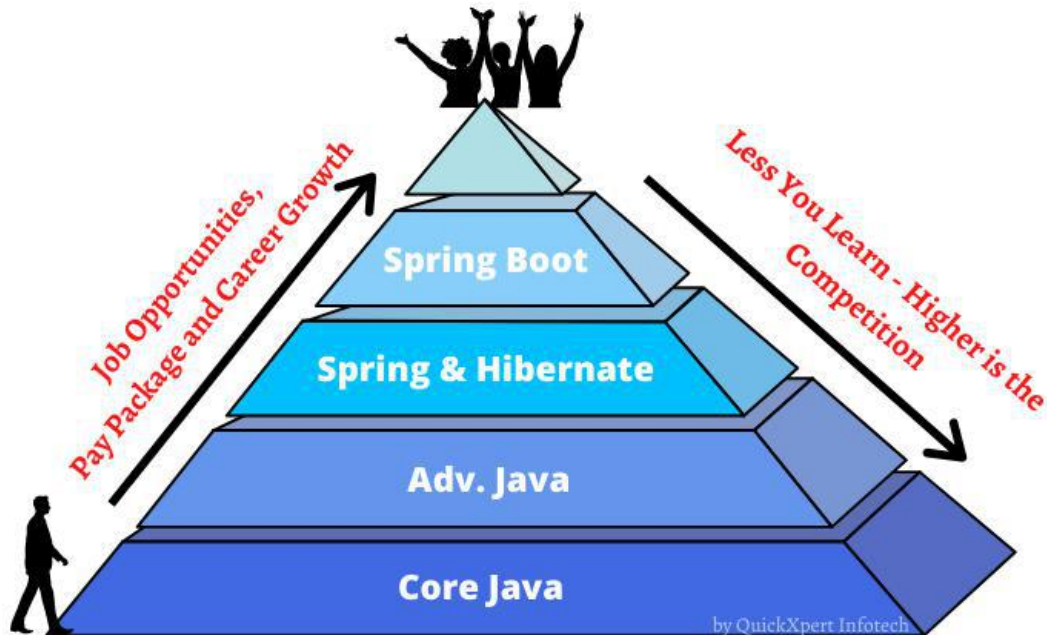


Apache
Tomcat



Java Developer Job Opportunities

- ❖ As per Latest Industry & Job Trends. Can Check on Naukri.com

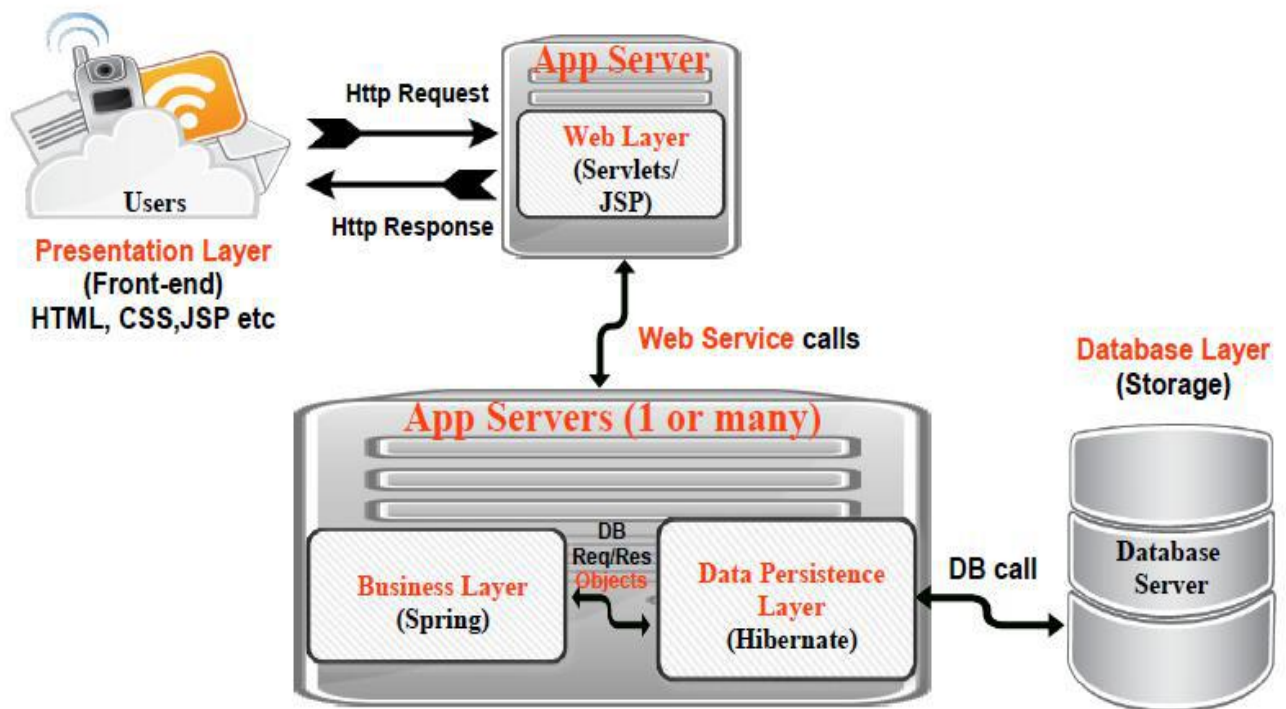


About Our Java Development Training

Course Breakup

- ❖ Core Java, JDBC, SQL, Lamda exp - 1 to 1.5 months
- ❖ Adv. Java - Servlets, JSP, Web Designing Components, Bootstrap, Ajax & JSON, JSTL etc. + Live Project - 1 to 1.5 months
- ❖ Hibernate - Core & Advanced - 1.5 to 2 weeks
- ❖ Spring & Spring Boot - Spring, Spring MVC, Spring Boot MVC, Spring Boot RESTful Web Service, Bootstrap etc + Live Project - 1 to 1.5 months
- ❖ Adv. Diploma in Java Development - all above + Live Projects - 3.5 to 4 months
- ❖ Individual Courses Available

n-Tier Application You Will Develop



MVC – Model, View & Controller

Syllabus as mentioned below :

Core Java

❖ Introduction to Java

❖ Java Installation & Configuration using Eclipse

❖ Java Basics

- Variables
- Datatypes
- Static Variables etc

❖ Creating Classes, Objects & Methods

❖ Control Structures

- If - Else if - Else
- Do.. While
- While
- For Loops
- Adv For Loops etc

❖ Logic Building Sessions with Practicals

❖ Arrays

❖ String

- String Operations
- String Buffer
- String Builder
- String Tokenizer
- Integer, Double etc class & functions

❖ Date

- Date functions
- Calendar Control
- DateFormat Class
- SimpleDateFormat Class

❖ **JAVA Mutable Concept**

❖ **Access Modifiers - Public, Private, Protected & Default**

❖ **Packages**

❖ **OOPS Concepts**

- Inheritance
- Polymorphism
- Encapsulation
- Abstraction
 - Interface
 - Abstract Class
- Mini Project on Bank Application on OOPs Concepts

❖ **Nested & Anonymous Class**

❖ **Exception Handling**

- Using Try..Catch...Finally Block

❖ **Collection Framework & Generics**

- Vectors
- Enumeration
- List Interface
- ArrayList
- LinkedList
- Using Generics & Non Generics in Collections
- Set Interface
- HashSet
- Map Interface
- HashMap

❖ **Using java.util.Collections Class**

- Collection Sort
- Collection Shuffle
- Comparator Interface

❖ MySQL

- Setup & Configuration
- Using Professional Tool - MySQL Workbench
- Creating Database
- Creating Tables
- CRUD Operations

❖ JDBC

- Configuration
- Creating Tables
- CRUD Operations

❖ Integrating Collections & JDBC

❖ Multi Threading

- Basics
- Thread Joins
- Thread Synchronization
- Runnable Interface
- Executor Service - Fixed Thread Pool

❖ File IO

- IO Streams examples
- Reader & Writer

❖ Serialization & Externalization

❖ JAVA Mail API

- Steps to send mail from via Gmail using Java.

❖ Lamda Experssions (Latest)

- Functional Interface
- Looping Through Collections
- Calling Methods

J2EE (Advanced Java)

❖ Environment Configuration

- Setting Up Eclipse with Apache Tomcat
- Creating HTML Forms
- CSS Integration
- JavaScript form Validation
- J2EE Architecture Overview
- Servlets & JSP APIs and Life Cycle

❖ Servlet Programming

- Introduction to Servlets
- Creating GET & POST Forms in HTML & interacting using servlet
- Using Servlets POST & GET Methods and their variables

❖ Scriptlets for JSP Programming

- Scriptlets tags
- Scriptlets programming

❖ Request Dispatchers

- Forward
- Include

❖ Send Redirect

❖ Difference between Request Dispatchers & Send Redirect

❖ Web Designing Components

- HTML, CSS, Java Script, jQuery & Bootstrap

❖ Building Application Using JSP and Web Designing Components

❖ JSP Programming

- Scriptlet Programming in JSP
- Servlets and JSP Communication
- Creating Basic Application using JSP
- Creating Complex Application using Servlets & JSP
- JSP Directives
- JSP Forwards
- JSP Includes
- JSP Use Bean method
- JDBC Integration
- CRUD Operations on Forms
- Select Operations on Forms
- Filters - Security Implementation

❖ File I/O in JSP

❖ AJAX & JSON

- Creating JSP Pages with AJAX forms.
- Integration with Servlets & Application
- Getting Response from Servlet in form of JSON
- Display response on JSP Page
- Complex Example - Saving & Populating Forms Using AJAX

❖ Session Handling

- Server Level - Session Object
- client Level - Cookie Object

❖ JSTL - JSP Tag Library

- Core Tags
- Function Tags
- Formatting Tags
- Expression Language

❖ Custom Tags

❖ Live Project

Hibernate

❖ ORM Overview

- How ORM & JDBC Works
- Introduction to Hibernate Framework & Architecture

❖ MAVEN Configuration

- Setting MAVEN Dependencies

❖ Using Hibernate Annotations

- Building First Application using Annotations

❖ Hibernate Operations For

- Table Creation
- Defining Data Types, Column size, not null constraint etc.
- Creating Primary Keys, Unique Keys
- Foreign Keys

❖ DAO Classes & Hibernate CRUD Operations

❖ Hibernate Mapping Types & Joins

- Many to One Mapping
- One to One Mapping
- Many to Many Mapping
- One to Many Mapping

❖ Hibernate Level 1 Cache

❖ Hibernate Level 2 Cache

❖ Hibernate Validation API

❖ Exception Handling

❖ Project

Spring Framework & Spring Boot

❖ Environment Setup using MAVEN

- Setting Maven Dependencies in Eclipse
- Configuring Hibernate Properties

❖ IOC Container & Dependency Injection

❖ Spring Components

- Singleton, Prototype & Lazy Objects

❖ Building Spring Stand Alone Project

- Working with Class, Objects etc in XML
- Using Property Arguments
- Using Constructor Arguments
- Using Ref Arguments

❖ Autowiring & Autowiring Types

❖ Collections in XML

- List
- Set
- Map
- Properties

❖ Using Properties File

- Display - For Internationalization
- Exception Handling - Creating Dynamic Exception Messages

❖ Spring Validation APIs

❖ Spring JDBC

- CRUD Operations

❖ Spring MVC

- Configuration
- Dynamic URLs & Dynamic Parameters
- SEO Friendly URLs
- Using JSP Forms
- Form Navigation
- JSTL Integration
- Spring Forms
- Bootstrap Integration
- Integrating Validation API
- JDBC Integration in Spring MVC
- Hibernate Integration with Spring MVC
- Implementing CRUD Operations using JDBC
- Implementing CRUD Operations using Hibernate
- Spring MVC Hibernate Project
- Project

❖ Spring Boot MVC

- Installing and Configuring STS - Spring Tool Suite
- Setting MAVEN Dependencies
- Creating Spring Boot Application
- Spring Boot RESTful Web Service
- Spring Boot JPA or Hibernate Integration
- Creating DAO, Service etc. Classes
- Configuring Spring Boot MVC Application
- Integrating JSTL & Hibernate with Spring
- Using Bootstrap
- Performing Hibernate CRUD Operations in MVC
- Spring Java Based Configuration
- Spring Boot Validatons
 - Using Spring Validator Interface
 - Using Hibernate Bean Validator Interface
- Creating Filters
- Ajax Integration with Spring Boot
- Project

Our Benefits

- ❖ **Training from Experts**
- ❖ **Installments Available**
- ❖ **Job Oriented Course**
- ❖ **80% Practicals - Learn from Scratch**
- ❖ **Professional Notes & Study Material Provided**
- ❖ **Certification Course**
 - You will get Course Completion ISO Certificate from our Institute
- ❖ **Live Projects / Case Studies Covered**
- ❖ **100% Job Opportunities**
- ❖ **Dedicated Placement Team**
 - Check Recent Placed Students on Site / our FB Page / our Google Page
- ❖ **Personal Mentorship**
 - Limited Seats per batch for Personal Mentorship
- ❖ **Friendly Environment with Professional Grooming**
- ❖ **Interview Preparation & Mock Interviews**
- ❖ **Resume Building etc.**

Please visit site for more info or reach us

Our 5 Steps Process for Success



Contact Us

Contact Info : +91-7506252588, +91-8452842233

Website : www.quickxpertinfotech.com

Inquire Now !

