



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.

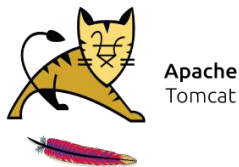
Any Pre-requisites?

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

Duration

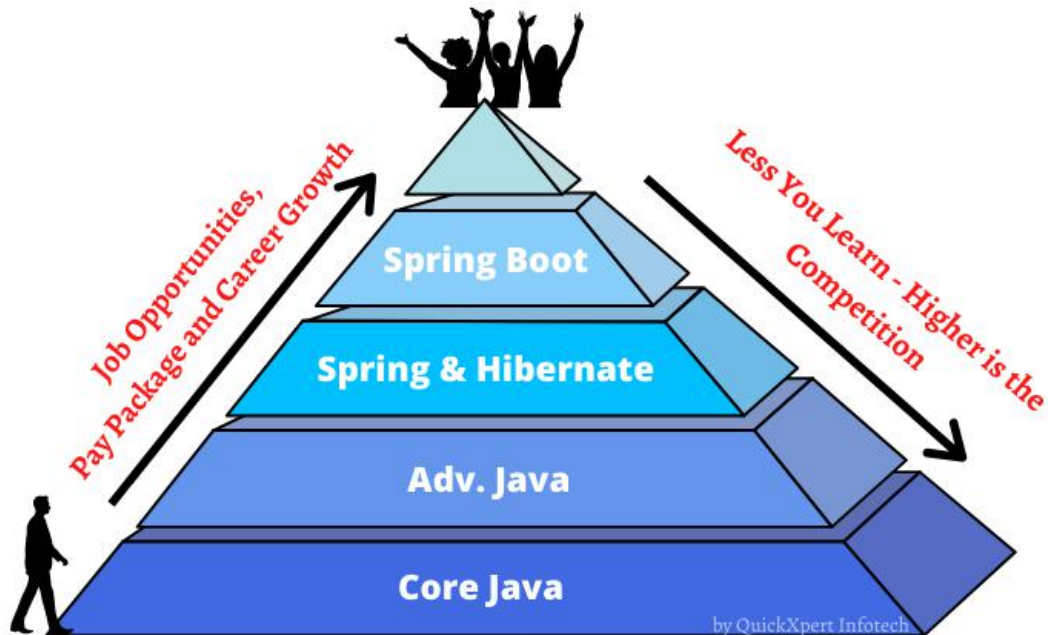
As per package chosen. Check details below.

Tools You Will Learn



Job Openings, Salary & Competition

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



About Our Java Development Training

Job Roles Eligible

- ❖ Java Developer
- ❖ Application Developer
- ❖ Software Developer
- etc.

Course Breakup

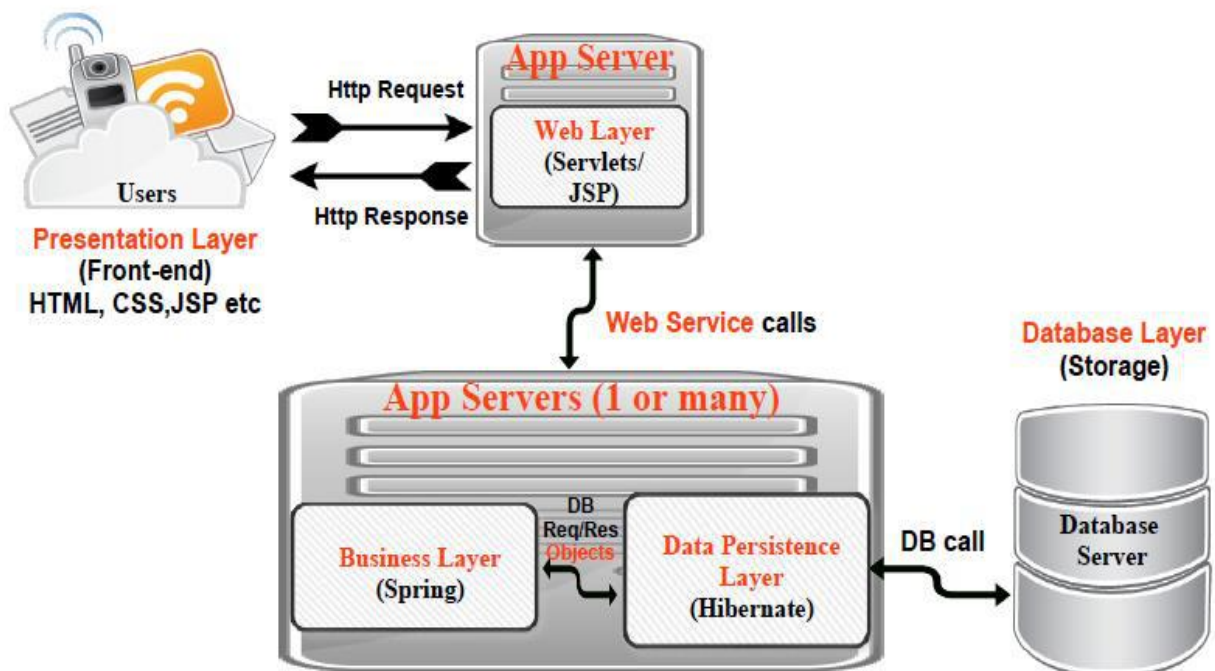
- ❖ Core Java, JDBC, SQL, Lamda exp – 1 to 1.5 months
- ❖ Adv. Java - Servlets, JSP, Web Designing Components (as required), Bootstrap, Ajax & JSON, JSTL etc. + Live Project – 1 to 1.5 months
- ❖ Frameworks – Hibernate, Spring, Spring Boot Core, JPA, Spring Transactions, RESTful Web Service, Spring Boot MVC, Ajax & Json with Spring Boot etc. + Live Project – 2 months

Training Packages

- ❖ Java Developer – Core & Adv. Java – 2.5 Months
- ❖ Adv. Diploma in Java Development – (Full Training Program) – 4 to 4.5 months

n-Tier Application You Will Develop

(Full Course Only min Pkg 2)



MVC – Model, View & Controller

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 Practical's

❖ 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

❖ 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 API

❖ Spring JDBC

- Spring JDBC Template
- CRUD Operations

❖ Spring Hibernate / JPA Integration

Spring Boot

❖ Pre-requisite – All above including Spring MVC

❖ Essentials

- Installation of STS (Spring Tool Suite or IntelliJ) for Spring Boot Development
- Introduction to Spring Boot Features
- Creating a simple Boot application using Spring Initializer website
- Dependency management using Spring Boot starters
- Configuring and using Loggers

❖ REST with Spring Boot

- Installation of POSTMAN application
- Benefit of using RESTful Webservice
- @ResponseStatus
- @RequestMapping
- @RequestBody
- @ResponseBody
- HttpStatus Codes
- ResponseEntity
- JPA Integration with REST
- @RestController
- @GetMapping
- @PostMapping
- @DeleteMapping

❖ Exception Handling

- Creating User Defined Exceptions
- Implementing Centralized Exception Handling

❖ JPA with Spring Boot

- Quick introduction to ORM with JPA
- JPA configuration in Spring

- @Repository
- Dynamic Repositories
- @Service
- RESTful Service Integration with JPA

❖ Spring Boot Transactions

- Creating Wrapper Classes
- Using @Transaction
- Implementing Commit / Rollback
- Overview Transaction Propagation and Isolation Rules

❖ Spring Boot MVC

- Introduction to Spring MVC and request processing
- Controller method signatures
- @Component
- @Controller
- @GetMapping
- @PostMapping etc
- Configuring Spring MVC with Spring Boot
- Boot packaging options, JAR or WAR
- JPA or Hibernate Integration
- Creating DAO, Service etc. Classes
- Integrating JSTL & Hibernate with Spring
- Using Bootstrap
- Performing CRUD Operations in MVC
- Validation
 - Using Spring Validator Interface
 - Using Hibernate Bean Validator Interface
- Creating Filters
- Ajax Integration with Spring Boot

❖ End to End Live Project

Our Benefits

- ❖ **Training from Experts**
- ❖ **Installments Available**
- ❖ **Job Oriented Course**
- ❖ **80% Practical's - 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

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Inquire Now !

