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Java course

Java Training In Online

- Java Classroom and Online training.
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Job Roles After Java Training

- Java Administrator
- Java Developer
- Java Architect
- Business Analyst
- Java Consultant

Curriculum

Fundamentals of Java Programming

- Introduction to Java, Environment setup & IDE
- Java Language Fundamentals Part 1
- Java Language Fundamentals Part 2
- Java Language Fundamentals Part 3
- Arrays
- Classes and Objects Part 1
- Classes and Objects Part 2
- Exploring Basic Java Class Libraries
- Inheritance and Polymorphism Part 1
- Inheritance and Polymorphism Part 2
- Abstract Classes and Interfaces
- Access Modifiers, Non Access Modifiers & Packages

Advanced Java Programming

- Exception Handling Part 1
- Exception Handling Part 2
- I/O
- Collection [With Comparable, Comparator, equals ,Hash code]
- Collection [With Comparable, Comparator, equals ,Hash code] & Generics
- Stream API and Lambda Expression Part 1
- Stream API and Lambda Expression Part 2
- Multithreading Part 1
- Multithreading Part 2
- Regular Expressions

Java Database Connectivity (JDBC)

- Introduction to JDBC
- Jdbc Drivers
- Jdbc API
- Jdbc Objects
- Batch Processing

Build Tool - Maven

- Introduction to Maven
- maven Life Cycle phases
- Maven Objectives
- Maven Projects Setup
- Building Projects using Maven

Web Development using Servlets and JSPs

- Introduction to web application, web server , introduction to servlet
- Servlet Life cycle, Servlet Request & Servlet response
- Generic & Http servlet, Servlet Config & context
- Session Management
- Jsp Introduction
- Jsp & Jstl
- JSTL

Object Relational Mapping using Hibernate

- introduction to ORM, introduction to Hibernate
- Basic Mapping & Crud operations
- Association Mapping & Inheritance Mapping
- First Level Cache, HQL
- Criteria API, Second Level cache, Query Cache

Spring Core

- introduction to Spring core, Containers, DI
- XML configurations, scopes, Auto wiring
- XML shortcuts, Annotations based configurations, Java based configurations

Spring MVC and Restful Services

- Introduction to Spring MVC, Life Cycle
- Controllers, Model Attribute, Model objects,
- Form Handling, Validations
- Spring MVC with Hibernate integration
- introduction to Restful services

Spring Boot

- Introduction to Spring boot,Postman,Swagger
- Controller, Response Entity, Global Exception Handling
- Spring Boot Data JPA.

CI/CD For Java Enterprise Applications using Jenkins

- Introduction to Continuous Integration & Delivery
- Overview of Jenkins
- Jenkins Setup
- Plugins and its uses
- Setting up your Build Jobs
- Jenkins security
- Automated Builds using webhooks
- Code Quality Integration
- Integrating Nexus
- Distributed Builds / Master-Slave Configuration
- Performing Continuous Delivery
- Implementing Pipelines

Docker Containerization for Java Web Apps

Schedule a demo | Download curriculum

FAQ

- Who should take this course?
- What are the prerequisites for the Java Course?
- When are the classes conducted?
- What is the duration of the Course?
- What is the duration of the class?
- What is the course curriculum?

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