

# JAVA WEB DEVELOPMENT

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This course covers extensively the programming and object-oriented techniques of Java. It introduces students to Object-oriented programming concepts, teaches them the fundamentals of the Java language and syntax, introduces them to web development using Servlets, Jsp and database driven web application.

## **Pre-requisite:**

Basic programming skills in a structured language. Knowledge and experience with Object-Oriented Design (OOD) is helpful, but not required.

## **Target Audience**

This course is specially designed for students who are interested in learning the hottest programming language - Java with minimum entry requirement. Students who do not have any programming experience or programming knowledge in using object-oriented techniques are encouraged to attend this course.

**Course Duration:** 2 Months

## **Course outline**

- Review of Object oriented concepts
- Java coding Standards
- Strings
- Collections
- Java Database Connectivity
- Introduction to Servlets
- Request Data (Servlet data, Forms data , Query String)
- HTTP Session
- Filters
- JavaServer Pages (JSPs)
- JSP Extras (Directives and Expression Language)



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- Design patterns
- MVC Framework
- Project development using SDLC