

# Advanced Java

## Course in Advanced Java

**2 Weeks / 4 Weeks Online Course**

**2 Weeks. (2 Hrs. per day)**

**Timing: - 11:00 AM to 01:00 PM**

### Objective

This Java course introduces the learner to the fundamentals of Java programming. It starts with the basics, such as how to compile and run a Java program; discusses Java language keywords; and concludes with advanced features such as database connectivity. The students will also get knowledge about web programming such as servlet and JSP etc.

### Prerequisite

B.E/B. Tech. /BCA/MCA (pursuing also) with Basic Knowledge of any programming Language.

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher and Graphics Card (2 GB)
- ✓ Software: notepad, JDK, ECLIPSE IDE (can be downloaded from respective websites)
- ✓ Internet connection with good speed (*preferably 2 Mbps or higher*)

### Certificate

Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course.

### How to Apply

- ✓ Instructor-led live classes.
  - ✓ Instructor-led hands-on lab sessions.
  - ✓ Content Access through e-Learning portal.
  - ✓ Assessment and Certification
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- ✓ **Step-1:** Read the course structure & course requirements carefully.
  - ✓ **Step-2:** Visit the Registration portal and click on apply button.
  - ✓ **Step-3:** Create your login credentials and fill up all the details, see the preview and submit the form.
  - ✓ **Step-4:** Login with your credentials to verify the mobile number, email ID and then upload the documents, Lock the profile and Pay the Fees online, using ATM-Debit Card / Credit Card / Internet Banking / UPI etc.

### Eligibility

### Course Fees

Rs. 1000/- incl. GST& all other charges.

### Methodology

**Course Content**

Day	Topic	Day	Topic	Day	Topic
Day #01	What is Java, What is JVM, What is JRE & JDK Java Keywords & Operators, Data types & Variables	Day #02	OOPS Concepts, What is class Methods in java, new Keyword in java, Method overloading	Day #03	What is Constructor, static keyword, this keyword, Inheritance
Day #04	Polymorphism in java, Abstraction in java, Interface in java	Day #05	Package in java, Access Modifier in java, Encapsulation in java	Day #06	JDBC
Day #07	What is servlet? And its types, Servlet life cycle, Working of servlet, Servlet request interface, Request dispatcher, send redirect	Day #08	Attribute in servlet, Session and cookies, Hidden form field, url rewriting, Login and logout application	Day #09	What is JSP and its lifecycle?, Scriptlet tag Declaration tag, Implicit objects
Day #10	JSP Directives, Include directive, JSTL				

**Course Coordinator**

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