

# Core Java Programming in Ahmedabad - 2 Months

Master Java Basics and Object-Oriented Programming in Just 60 Days

### WHAT YOU'LL LEARN

- Understand and implement Object-Oriented Programming (OOP) concepts like classes, objects, inheritance, and polymorphism.
- Develop robust Java programs using exception handling, constructors, and access modifiers.
- Work with arrays, strings, and advanced features such as wrapper classes and inner classes.
- Gain proficiency in control flow structures, including loops, conditional statements, and switch-case.

#### **REQUIREMENTS**

Basic programming knowledge (optional but beneficial).

Familiarity with concepts like variables and operators (a plus but not mandatory).

A laptop or computer with Java Development Kit (JDK) installed.

#### WHO'S THIS COURSE IS FOR

Beginners eager to learn Java programming from scratch.

Students and professionals looking to enhance their skills in Object-Oriented Programming.

Individuals aspiring to build a career in software development or application programming.

Anyone interested in strengthening their programming fundamentals for future advanced courses.

### **DESCRIPTION**

## Core Java Programming in Ahmedabad - 2 Months

The **Core Java Programming** course is a comprehensive 60-day program designed to take you from a beginner to a confident Java programmer. Whether you're new to programming or looking to sharpen your skills, this course provides an in-depth exploration of Java's core concepts and practical applications.

Starting with an introduction to Object-Oriented Programming (OOP),



₹20000 ₹25000

20% off



Date

01 May to 01 Jul 2025

Time

08:00 AM - 08:00 PM

Total Sessions (Hours)

24 (24h Omin)

Location

**Shyamal** 

Level

Intermediate

Language

Hindi



S K SIR

Instructor

Sanjay Kamdar (SK Sir): Transforming Lives Through IT Education, Mentorship, and Inspiration for Over 34 Years.

Instructor Rating

5

Students

98

Courses

6

students will learn to work with Java classes and objects, understand data encapsulation, and implement inheritance and polymorphism to create modular and reusable code. The course covers fundamental Java constructs, including control structures (if, switch-case, loops), operators, and data types, enabling students to write efficient and logical code.

A significant focus of the course is on arrays and strings, teaching students how to manipulate and utilize these essential data structures. Additionally, students will explore advanced topics like **exception** handling, inner classes, and abstraction, equipping them with the skills to develop robust and error-free applications.

Throughout the program, students will also work on hands-on exercises and mini-projects, reinforcing their understanding of concepts like constructors, access modifiers, and wrapper classes. By the end of the course, students will have a solid foundation in Java programming and the confidence to tackle real-world projects

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#### Course Duration and Schedule

• .Duration: 2 Months

• Start Date: Option to start today also, instructor will adjust you to recently started batch. Enroll now

Days: Mon-Tue-Wed-Thu-Fri-Sat, 3 days a week and
 1-1.5 Hours/Session (Choose any 3 days/week)

• Timings: 8.00 am to 8.00 pm (Choose any 1-1.5 hours)

Mode: Offline, Shyamal, Ahmedabad
Languages: English, Hindi & Gujarati

• Fees: INR 20,000/-

#### **Course Modules**

## Module 1: Introduction to Java and OOP Concepts

- Fundamentals of Java programming
- Overview of Object-Oriented Programming (OOP) principles
- Introduction to classes, objects, and encapsulation

- Operators and data types
- User input in Java
- Control flow structures: If, switch-case, loops

### Module 3: Arrays and Strings

- Working with single-dimensional and multi-dimensional arrays
- String handling: String manipulation and functions

## Module 4: Advanced Java Concepts

- Access modifiers: Public, private, protected
- Methods: Defining and invoking methods
- Constructors: Purpose, types, and implementation

## Module 5: Object-Oriented Programming in Practice

- Polymorphism and method overriding
- Inheritance and code reusability
- Wrapper classes and their applications

## Module 6: Robust Java Programming

- Exception handling: Try-catch, throws, and custom exceptions
- Inner classes and abstraction: Understanding and implementing

## Module 7: Additional Topics

- Understanding pointers in Java
- Best practices for writing efficient Java code

### **Key Takeaways**

- Write efficient Java code using OOP principles.
- Develop error-free applications with exception handling.
- Gain hands-on experience through real-world programming exercises.

<ul> <li>Build a solid foundation to advance into Java frameworks or full- stack development.</li> </ul>
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Unlock your potential in programming with the Core Java
Programming course—your gateway to becoming a proficient Java
developer!