Sivani Academy

Java Programming Training Coimbatore

Curriculum

1. Java Foundations:

✔ Introduction to Java and its significance.

✔ Setting up your development environment for seamless coding.

✔ Writing your first Java program with hands-on guidance.

2. Core Java Essentials:

✔ Mastering variables, data types, and operators for robust programming.

✔ Navigating control flow structures to enhance program logic.

3. Object-Oriented Programming (OOP) Mastery:

✔ Understanding the core principles of OOP.

✔ Application of OOP concepts including inheritance, polymorphism, encapsulation, and abstraction.

4. Java Standard Library Unleashed:

✔ Exploring the powerful Collections Framework.

✔ Handling Input/Output operations with finesse and managing exceptions effectively.

5. Advanced GUI Development:

✔ Harnessing the Swing Framework for creating interactive and visually appealing user interfaces.

✔ Mastering event handling and understanding GUI design principles.

6. Multithreading Techniques:

✔ In-depth exploration of thread management and synchronization.

✔ Implementation of thread safety for efficient and responsive applications.

7. Database Connectivity with JDBC:

✔ Seamless connection to databases for data manipulation.

✔ Executing SQL queries and mastering transaction handling.

8. Dynamic Web Development with Servlets and JSP:

✔ Mastering the essentials of Servlets and JavaServer Pages (JSP).

✔ Building dynamic web applications for real-world scenarios.