

15 Days (Introduction to Java)

Objective:

- Understand the basics of Java programming and build simple applications.

Syllabus:

1. **Day 1-3:** Introduction to Java
 - a. Java overview and setup (JDK, IDEs like IntelliJ IDEA, Eclipse).
 - b. Writing and executing basic Java programs.
2. **Day 4-6:** Java Fundamentals
 - a. Data types, variables, and operators.
 - b. Control flow statements (if-else, loops).
3. **Day 7-9:** Object-Oriented Programming (OOP) Basics
 - a. Classes, objects, and methods.
 - b. Constructors and access modifiers.
4. **Day 10-12:** Collections and Arrays
 - a. Arrays, ArrayLists, and basic collections framework.
 - b. Iterators and loops for collections.
5. **Day 13-15:** Hands-On Practice
 - a. Simple console-based projects (e.g., calculator, student management system).