

Agenda: 23 July 2025

9:00am – 1:00pm

- Inheritance: Building Class Hierarchies and Code Reusability.
- Polymorphism: Enabling Dynamic Method Dispatch and Runtime Binding.
- Abstraction and Encapsulation
- Exception Handling Mechanisms (try-catch blocks) for Robust Code.

Labs

- Language Families
- Java Novice
- Handle Exception in Java

2:00pm – 5:00pm

- String Manipulation Techniques in Java (String Class methods).
- Access Modifiers and Package Visibility Control in Java.
- File I/O Operations: Reading from and Writing to Text Files.
- Introduction to Multithreading for Concurrent Programming.
- SOLID Principles (Best Practice)

Labs

- Read and Write a File
- Threading in Gym
- Medieval Serialization