



COMSATS University, Islamabad
Department of Computer Science

Assignment 4

Deadline: 23/5/2025

[All questions are mapped to CLO 3]

- Q1. Create a class Book that has name(String), publisher (String) and an author (Person).
- Write five objects of Book Class in a file named "BookStore".
 - Write a function that displays all Books present in file "BookStore".
 - Write a function that asks the user for the name of a Book and searches the record against that book in the file "BookStore".
- Q2. Create an ATM System with Account as the Serializable class. Write ten objects of Account in a file. Now write functions for withdraw, deposit, transfer and balance inquiry.
- Each function should ask for the account number on which specific operation should be made.
 - All changes in Account object should be effectively represented in the file.
- Q3. Create a Java application on to manage books for a library using permanent storage. The system should allow the following operations:
- Add New Book:
 - Each Book should have a bookID, bookName and status.
 - Borrow Book.
 - Borrow a book from the available books.
 - Save the new state of Book object.
 - Delete Book.
 - Delete a book based on bookID.
 - Update the storage