Pseudo-code Problems - Day 1

1. Java OOPs

Easy

1. Pet Adoption App

 Design classes for Pet, Dog, Cat, and Bird. Use inheritance and constructors to initialize them.

2. Library Membership Tracker

 Create a class Member with attributes like name, ID, membership date. Add methods to check membership validity.

2. Data Structures & Algorithms

Easy

1. Undo Feature in Text Editor

Use a Stack to store undo operations and implement revert functionality.

2. Call Center Queue Management

 Simulate Queue of customers waiting, and dequeue them based on priority (normal/emergency).

3. Collections, Generics, Streams

Easy

1. Student Score Storage

 Store marks in HashMap<String, Integer>, and display the highest scorer using streams.

2. Employee Record Keeper

 Use ArrayList<Employee> and filter employees by department using streams.