MODULE 3 – PRACTICAL – EXCEPTION HANDLING

Custom Exception Handling in a Banking System

A bank wants to implement a Java-based account management system that ensures proper validation of transactions. The system should handle the following scenarios using **user-defined exceptions**:

- **InsufficientBalanceException**: Thrown when a user tries to withdraw an amount greater than the account balance.
- **InvalidDepositAmountException**: Thrown when a user attempts to deposit a negative amount.
- **InvalidAccountException**: Thrown when a user tries to perform a transaction on a non-existent account.

1. **Design a Java program** to manage bank accounts using **object-oriented principles**.
2. Create **custom exception classes** for handling invalid transactions.
3. Implement an `Account` class with the following methods:
   - `deposit(double amount)`: Adds money to the account (should throw `InvalidDepositAmountException` for negative deposits).
   - `withdraw(double amount)`: Deducts money from the account (should throw `InsufficientBalanceException` if the balance is insufficient).