

### Problem Statement: Bank Account Management System

Your task is to create a Bank Account Management System that allows users to create and manage their bank accounts. The system should have the following features:

1. Create Account: The user should be able to create a new bank account by providing their name, address, email, and phone number.
2. View Account Details: The user should be able to view their account details such as account number, balance, and transaction history.
3. Deposit Money: The user should be able to deposit money into their account.
4. Withdraw Money: The user should be able to withdraw money from their account.
5. Transfer Money: The user should be able to transfer money from their account to another account.
6. View Account Balance: The user should be able to view their account balance.
7. Delete Account: The user should be able to delete their account.

Your program should be written in Java and should use object-oriented programming principles. You should create classes to represent bank accounts, transactions, and users.

The program should store account details and transaction history in a database.

You should also provide a user interface for the bank account management system. The user interface can be a command-line interface or a graphical user interface (GUI).

You will be graded on the following criteria:

1. Correctness: Your program should work correctly and should meet all the requirements listed above.
2. Design: Your program should be well-designed and should use object-oriented programming principles.
3. Efficiency: Your program should be efficient and should be able to handle a large number of accounts and transactions.
4. User Interface: Your program should have a user-friendly interface that allows users to easily perform the required operations.

Good luck!