**PRACTICE PROBLEMS-31.7.2024**

**1)create a bank class with class credit savings and deposit and display account holder name ,account holder number,balance with java**

**// Enumeration for account types**

**enum AccountType {**

**CREDIT, SAVINGS, DEPOSIT**

**}**

**// BankAccount class to hold account details**

**class BankAccount {**

**private String accountHolderName;**

**private String accountNumber;**

**private double balance;**

**private AccountType accountType;**

**// Constructor**

**public BankAccount(String accountHolderName, String accountNumber, double balance, AccountType accountType) {**

**this.accountHolderName = accountHolderName;**

**this.accountNumber = accountNumber;**

**this.balance = balance;**

**this.accountType = accountType;**

**}**

**// Getter and setter methods**

**public String getAccountHolderName() {**

**return accountHolderName;**

**}**

**public void setAccountHolderName(String accountHolderName) {**

**this.accountHolderName = accountHolderName;**

**}**

**public String getAccountNumber() {**

**return accountNumber;**

**}**

**public void setAccountNumber(String accountNumber) {**

**this.accountNumber = accountNumber;**

**}**

**public double getBalance() {**

**return balance;**

**}**

**public void setBalance(double balance) {**

**this.balance = balance;**

**}**

**public AccountType getAccountType() {**

**return accountType;**

**}**

**public void setAccountType(AccountType accountType) {**

**this.accountType = accountType;**

**}**

**// Method to display account information**

**public void displayAccountInfo() {**

**System.out.println("Account Holder Name: " + accountHolderName);**

**System.out.println("Account Number: " + accountNumber);**

**System.out.println("Account Balance: " + balance);**

**System.out.println("Account Type: " + accountType);**

**}**

**}**

**// Main class to test the implementation**

**public class Bank {**

**public static void main(String[] args) {**

**// Create instances of BankAccount**

**BankAccount creditAccount = new BankAccount("John Doe", "1234567890", 5000.00, AccountType.CREDIT);**

**BankAccount savingsAccount = new BankAccount("Jane Smith", "0987654321", 15000.00, AccountType.SAVINGS);**

**BankAccount depositAccount = new BankAccount("Alice Brown", "1122334455", 3000.00, AccountType.DEPOSIT);**

**// Display account information**

**System.out.println("Credit Account Information:");**

**creditAccount.displayAccountInfo();**

**System.out.println("\nSavings Account Information:");**

**savingsAccount.displayAccountInfo();**

**System.out.println("\nDeposit Account Information:");**

**depositAccount.displayAccountInfo();**

**}**

**}**

