Develop a java code to display the balance.

Include the following members:

Design a class to represent a bank account

**Data Members:** Name of the depositor, account number, type of account(savings/current), balance amount in the account(minimum balance is Rs. 500.00)

**Methods:** To read account number, depositor name, type of account.

To deposit an amount(deposited amount should be added with it)

To withdraw an amount after checking balance(minimum balance must be Rs. 500.00)

**Note:** Assume that balance amount = 10000

CODE:

import java.util.Scanner;

public class BankAccount {

private String depositorName;

private int accountNumber;

private String accountType;

private double balance;

// Constructor

public BankAccount(String depositorName, int accountNumber, String accountType) {

this.depositorName = depositorName;

this.accountNumber = accountNumber;

this.accountType = accountType;

this.balance = 10000.0; // Initial balance

}

// Method to deposit amount

public void deposit(double amount) {

balance += amount;

System.out.println("Amount deposited successfully.");

displayBalance();

}

// Method to withdraw amount

public void withdraw(double amount) {

if (balance - amount >= 500.0) {

balance -= amount;

System.out.println("Amount withdrawn successfully.");

displayBalance();

} else {

System.out.println("Insufficient balance. Minimum balance must be maintained.");

}

}

// Method to display balance

public void displayBalance() {

System.out.println("Current balance: Rs. " + balance);

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the depositor's name: ");

String depositorName = scanner.nextLine();

System.out.print("Enter the account number: ");

int accountNumber = scanner.nextInt();

System.out.print("Enter the type of account (savings/current): ");

scanner.nextLine(); // Consume the newline character left by nextInt()

String accountType = scanner.nextLine();

BankAccount account = new BankAccount(depositorName, accountNumber, accountType);

System.out.println("Account created successfully!");

account.displayBalance();

// Example transactions

account.deposit(1500.0);

account.withdraw(700.0);

}

}

OUTPUT:

C:\javap>javac BankAccount.java

C:\javap>java BankAccount

Enter the depositor's name: Likitha

Enter the account number: 1500

Enter the type of account (savings/current): savings

Account created successfully!

Current balance: Rs. 10000.0

Amount deposited successfully.

Current balance: Rs. 11500.0

Amount withdrawn successfully.

Current balance: Rs. 10800.0

