import java.util.Scanner;

public class SimpleBankingSystem {

// Bank account class to handle deposit and withdrawal

static class BankAccount {

private double balance;

public BankAccount(double initialBalance) {

if (initialBalance >= 0) {

balance = initialBalance;

} else {

balance = 0;

System.out.println("Initial balance cannot be negative. Setting balance to 0.");

}

}

// Method to deposit money

public void deposit(double amount) {

if (amount > 0) {

balance += amount;

System.out.println("Deposited: $" + amount);

} else {

System.out.println("Invalid deposit amount.");

}

}

// Method to withdraw money

public void withdraw(double amount) {

if (amount > 0 && amount <= balance) {

balance -= amount;

System.out.println("Withdrew: $" + amount);

} else if (amount > balance) {

System.out.println("Insufficient funds!");

} else {

System.out.println("Invalid withdrawal amount.");

}

}

// Method to check the current balance

public double getBalance() {

return balance;

}

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Create a new bank account with an initial balance of $1000

BankAccount account = new BankAccount(1000.00);

int choice;

do {

System.out.println("\nSimple Banking System");

System.out.println("1. Deposit Money");

System.out.println("2. Withdraw Money");

System.out.println("3. Check Balance");

System.out.println("4. Exit");

System.out.print("Enter your choice: ");

choice = scanner.nextInt();

switch (choice) {

case 1:

System.out.print("Enter amount to deposit: $");

double depositAmount = scanner.nextDouble();

account.deposit(depositAmount);

break;

case 2:

System.out.print("Enter amount to withdraw: $");

double withdrawAmount = scanner.nextDouble();

account.withdraw(withdrawAmount);

break;

case 3:

System.out.println("Current balance: $" + account.getBalance());

break;

case 4:

System.out.println("Exiting the system. Thank you!");

break;

default:

System.out.println("Invalid choice, please try again.");

}

} while (choice != 4);

scanner.close();

}

}

public class Main {

public static void main(String[] args) {

int a = 5;

int b = 10;

System.out.println("Initial values:");

System.out.println("a = " + a);

System.out.println("b = " + b);

System.out.println("\nPostfix Increment (a++):");

System.out.println("a = " + a);

a++;

System.out.println("a after postfix increment: " + a);

System.out.println("\nPrefix Increment (++b):");

System.out.println("b = " + b);

++b;

System.out.println("\nPostfix Decrement (a--):");

System.out.println("a = " + a);

a--;

System.out.println("a after postfix decrement: " + a);

System.out.println("\nPrefix Decrement (--b):");

System.out.println("b = " + b);

--b;

System.out.println("b after prefix decrement: " + b);

}

}