ONLINE QUIZ PLATFORM :

Simple Banking Application

package simplebankingapp; // Correct package declaration

import java.util.Scanner; // Import statement should be at the top

public class SimpleBankingApp {

private double balance;

public SimpleBankingApp() {

this.balance = 0.0; // Initial balance

}

public void deposit(double amount) {

if (amount > 0) {

balance += amount;

System.out.printf("Successfully deposited: $%.2f%n", amount);

} else {

System.out.println("Deposit amount must be positive.");

}

}

public void withdraw(double amount) {

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

balance -= amount;

System.out.printf("Successfully withdrew: $%.2f%n", amount);

} else if (amount > balance) {

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

} else {

System.out.println("Withdrawal amount must be positive.");

}

}

public void checkBalance() {

System.out.printf("Current balance: $%.2f%n", balance);

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

SimpleBankingApp bankingApp = new SimpleBankingApp();

int choice;

do {

System.out.println("\n--- Simple Banking Application ---");

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

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

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();

bankingApp.deposit(depositAmount);

break;

case 2:

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

double withdrawAmount = scanner.nextDouble();

bankingApp.withdraw(withdrawAmount);

break;

case 3:

bankingApp.checkBalance();

break;

case 4:

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

break;

default:

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

}

} while (choice != 4);

scanner.close();

}

}

