package Client;

import java.io.\*;

import java.net.\*;

import java.util.\*;

public class Client implements Runnable {

@Override

public void run() {

Socket SK = null;

DataInputStream DIS = null;

DataOutputStream DOS = null;

Scanner scanner = new Scanner(System.in);

try {

SK = new Socket("localhost", 7195);

System.out.println("Connected to the server.");

System.out.print("Enter Sales Representative ID: ");

int repID = scanner.nextInt();

int Sold;

while (true) {

System.out.print("Enter the number of laptops sold: ");

Sold = scanner.nextInt();

if (Sold >= 0) break;

System.out.println("Invalid input. Please enter a non-negative number.");

}

DOS = new DataOutputStream(SK.getOutputStream());

DOS.writeInt(repID);

DOS.writeInt(Sold);

System.out.println("Data sent to the server.");

DIS = new DataInputStream(SK.getInputStream());

double salesProfit = DIS.readDouble();

double commissionRate = DIS.readDouble();

double commissionValue = DIS.readDouble();

System.out.println("\n=== Commission Details ===");

System.out.println("Sales Representative ID: " + repID);

System.out.printf("Sales Profit: %.2f OMR%n", salesProfit);

System.out.printf("Commission Rate: %.2f%%%n", commissionRate);

System.out.printf("Commission Value: %.2f OMR%n", commissionValue);

} catch (IOException e) {

System.out.println("Error: " + e.getMessage());

} finally {

try {

if (DIS != null) DIS.close();

if (DOS != null) DOS.close();

if (SK != null) SK.close();

} catch (IOException e) {

}

}

}

public static void main(String[] args) {

Thread clientThread = new Thread(new Client());

clientThread.start();

}

{