

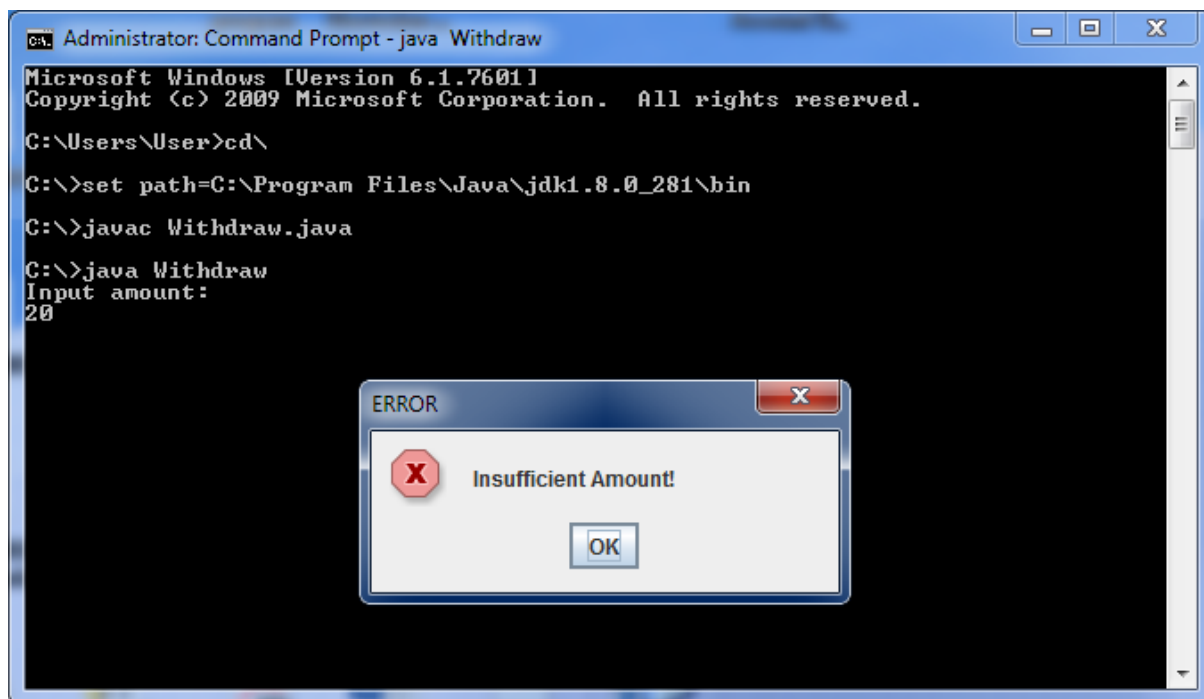
MTS 3033 Object Oriented ProgrammingName: Mohd Izzul Ikhwan bin Mohd yusofMatric ID: D20201095609Group: A**Assignment #3 (Due Date 21/11/21 @ 11pm)**

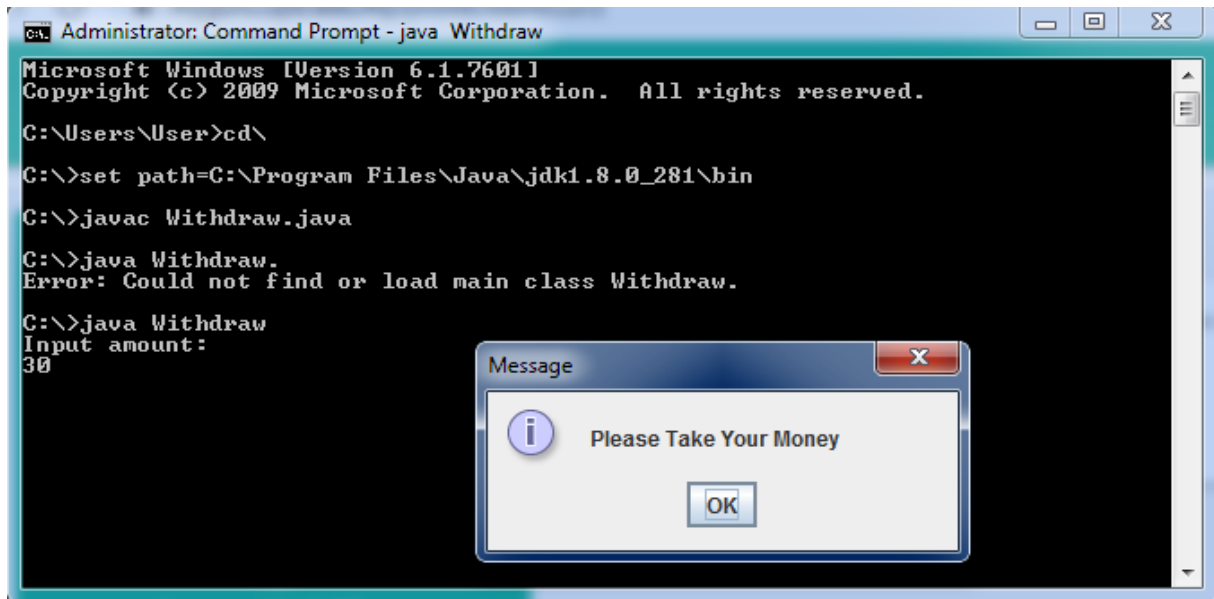
Instruction: Written and paste your print screen on this worksheet. Write your program using Notepad and compile using Command Prompt.

Part A: (10 marks)

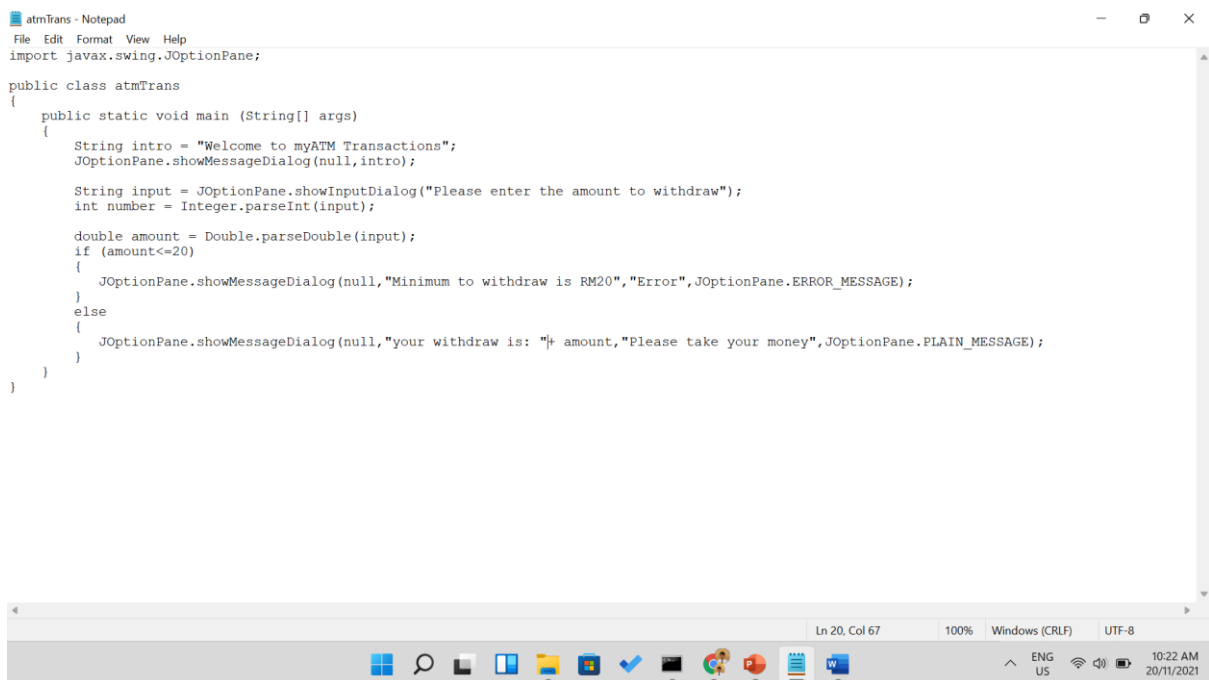
Display appropriate results of these following scenario using dialog box.

Ahmad intends to withdraw money at ATM machine. However the amount of money will not be withdraw if it is less or equal than RM20. Appropriate message is display as follows when Ahmad enter a certain amount. Write a program to display as below.

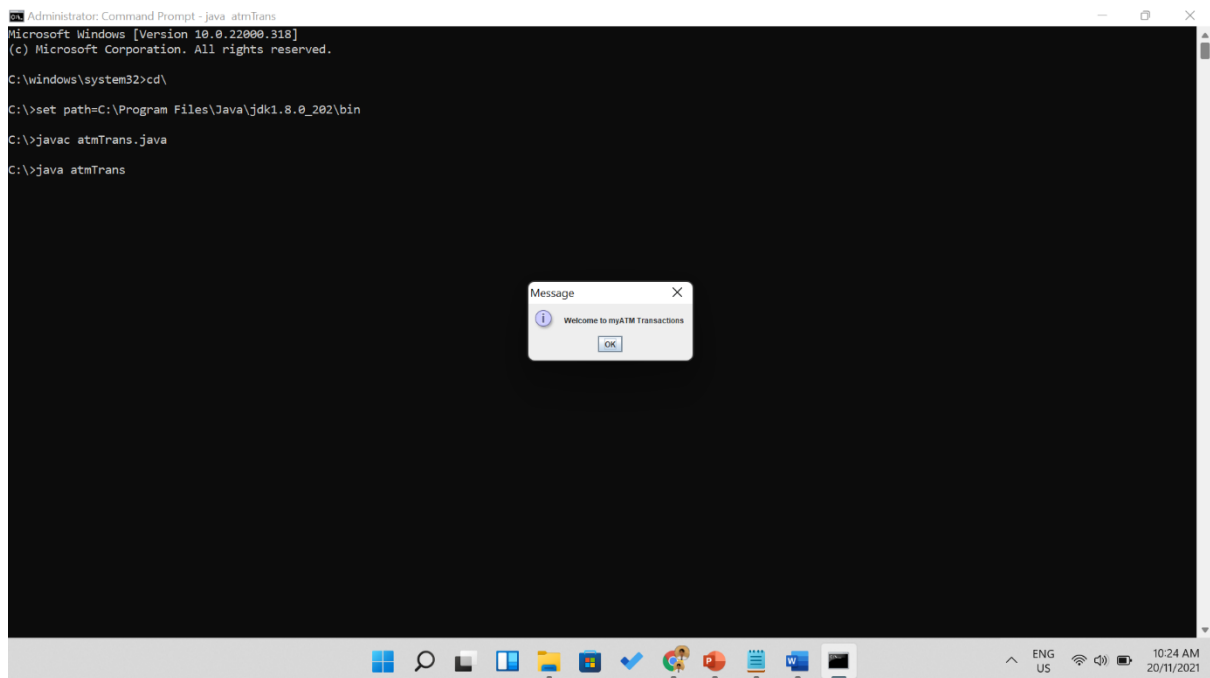




Notepad



Command Prompt



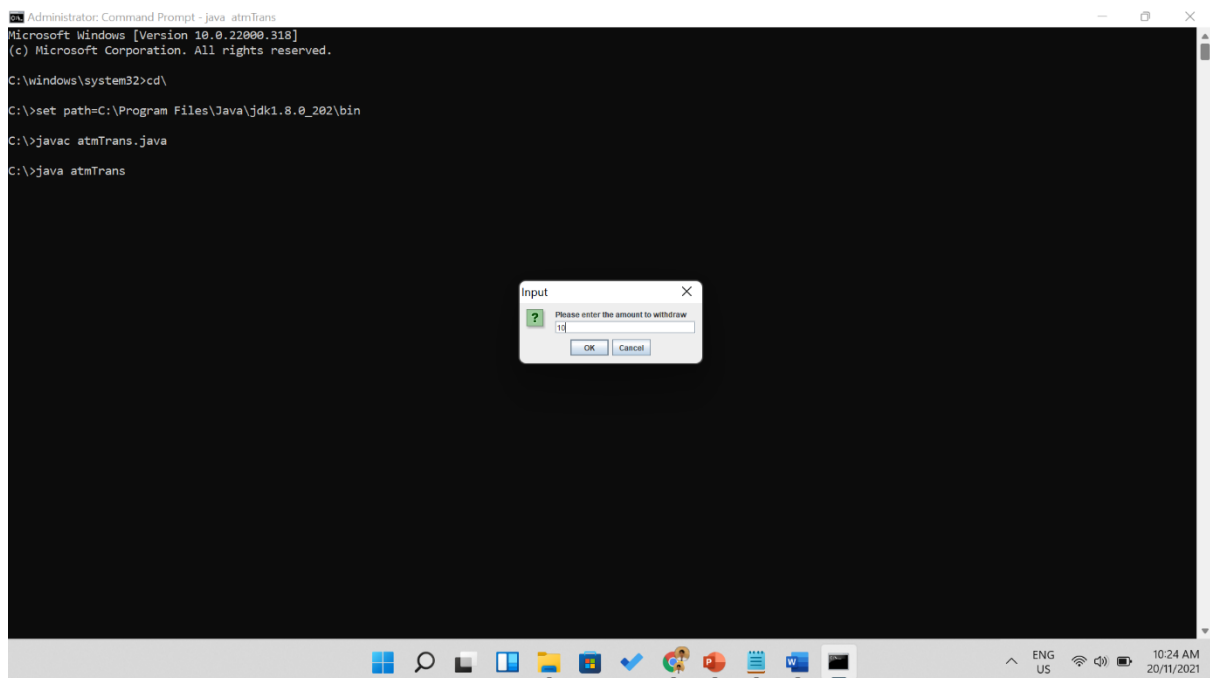
```
Administrator: Command Prompt - java atmTrans
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

C:\>javac atmTrans.java

C:\>java atmTrans
```



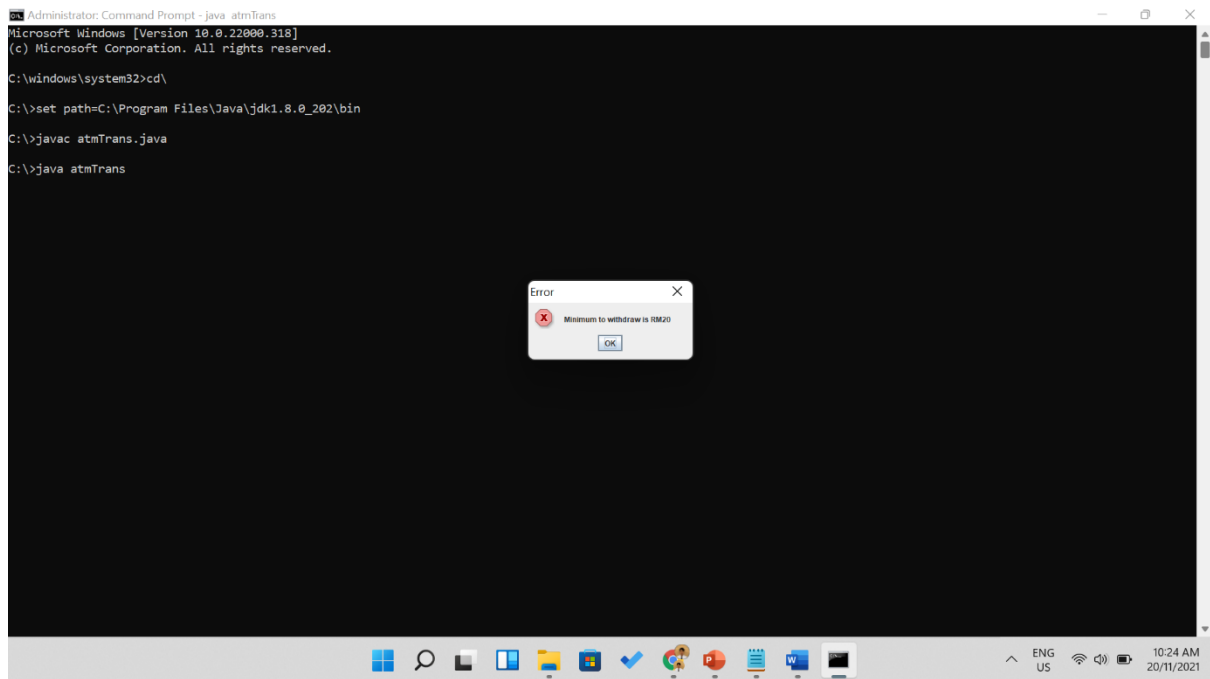
```
Administrator: Command Prompt - java atmTrans
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

C:\>javac atmTrans.java

C:\>java atmTrans
```



```
Administrator: Command Prompt - java atmTrans
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

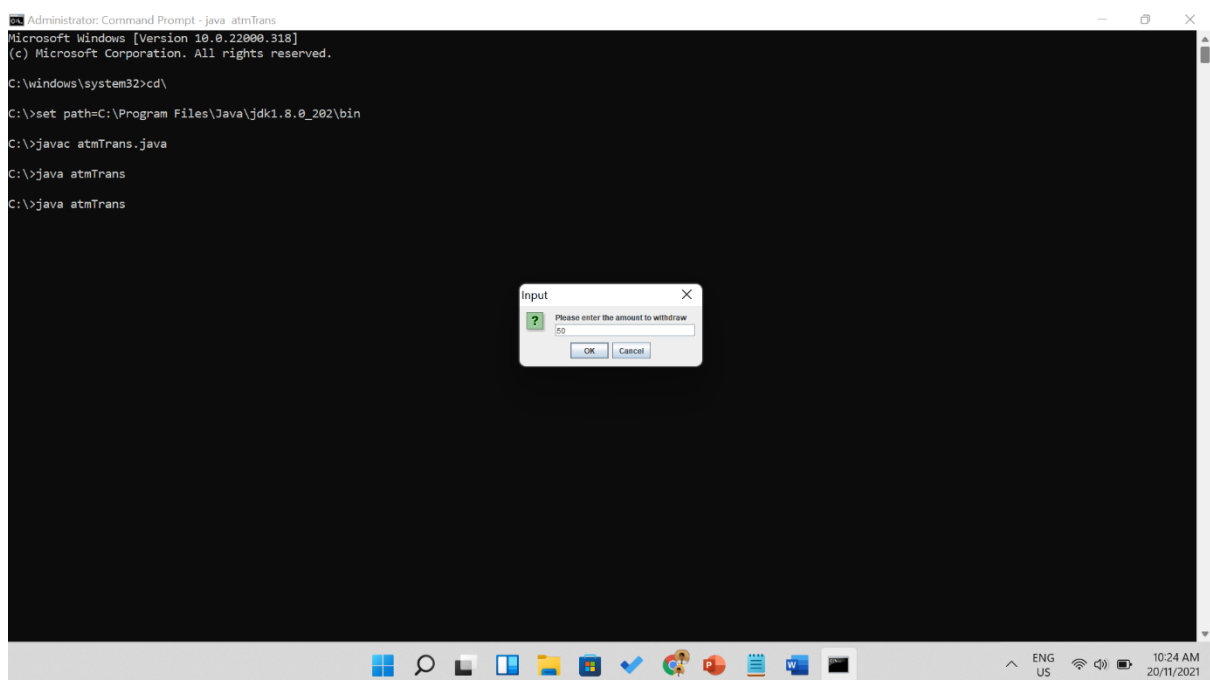
C:\>javac atmTrans.java

C:\>java atmTrans
```

Error

Minimum to withdraw is RM20

OK



```
Administrator: Command Prompt - java atmTrans
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

C:\>javac atmTrans.java

C:\>java atmTrans

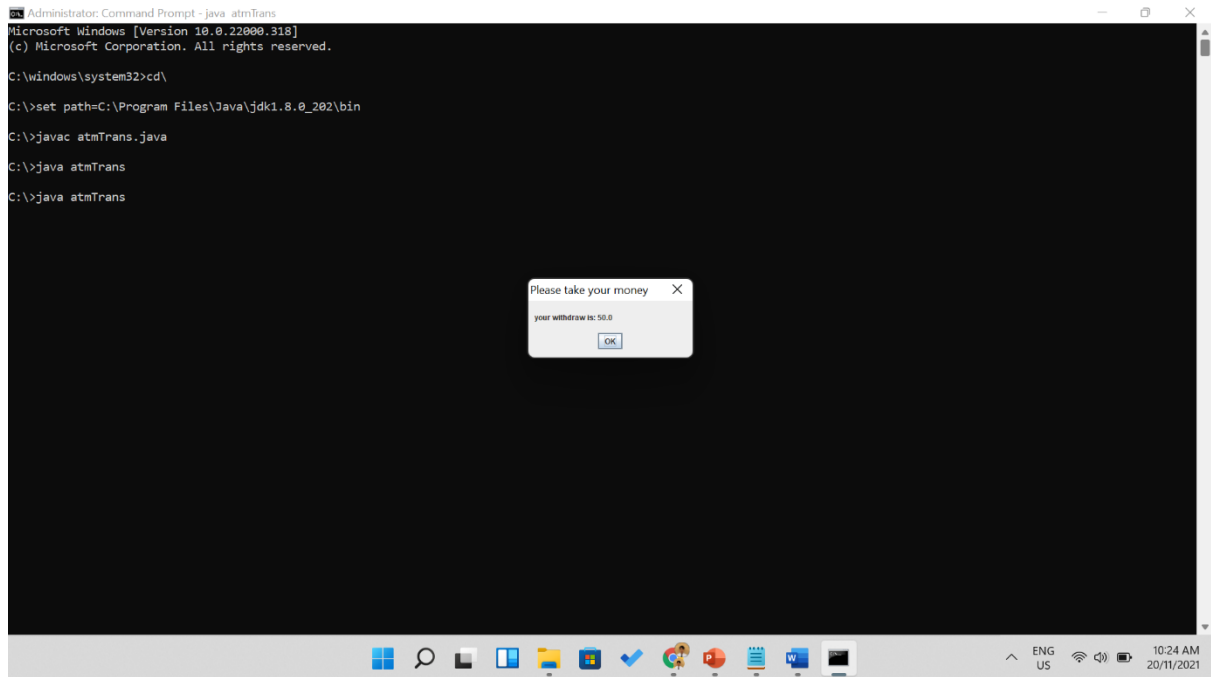
C:\>java atmTrans
```

Input

Please enter the amount to withdraw

50

OK Cancel



```
Administrator: Command Prompt - java atmTrans
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin

C:\>javac atmTrans.java

C:\>java atmTrans

C:\>java atmTrans

C:\>java atmTrans
```

Please take your money

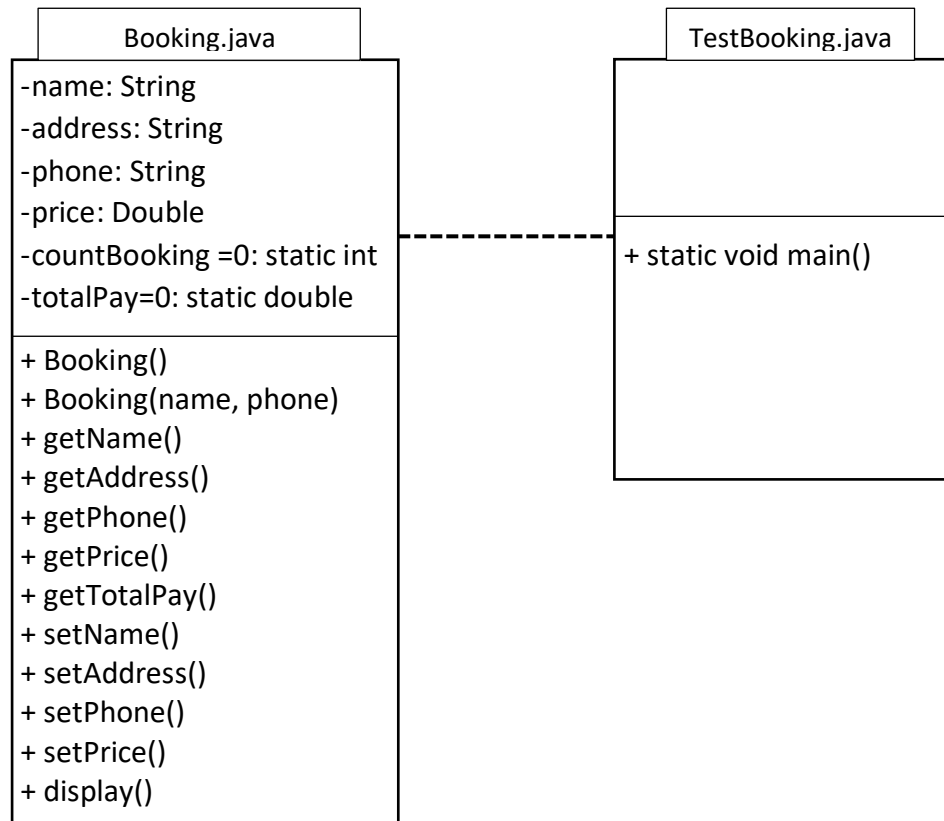
your withdraw is: 50.0

OK

ENG US 10:24 AM 20/11/2021

Part B: (20 marks)

Write a program according to these class diagram and output results.

**Output:**

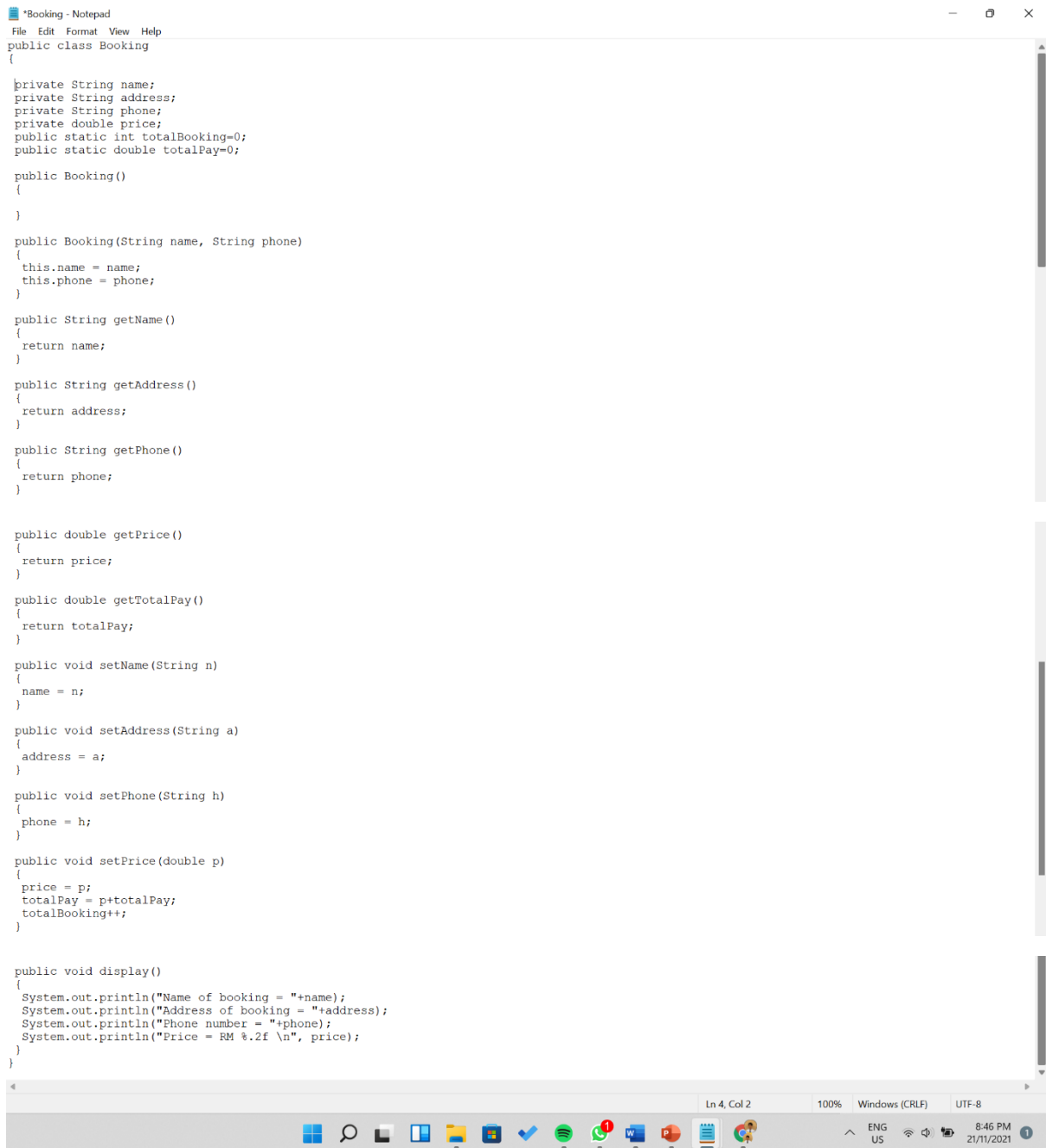
```

Administrator: Command Prompt
*****
Booking Details
*****
Name of booking=Ahmad Fauzi Bin Ismail
Address of booking=NO.1 Tmn Impiana,81100 Johor Bahru, Malaysia
Phone number=011-23456789
Price = RM 200.00

Name of booking=Ali Bin Ismail
Address of booking=No. 2 Tmn Bahagia, 84000 Muar, Malaysia
Phone number=012-1234567
Price = RM 400.00

Name of booking=Siti Aminah Binti Mahmud
Address of booking=No. 3 Tmn Cemerlang, 83000 Batu Pahat, Malaysia
Phone number=019-3867534
Price = RM 300.00

*****
Total Booking:3
Total payment received: RM900.00
*****
C:\>_
  
```

Notepad (Booking.java)

```
File Edit Format View Help
public class Booking
{
    private String name;
    private String address;
    private String phone;
    private double price;
    public static int totalBooking=0;
    public static double totalPay=0;

    public Booking()
    {
    }

    public Booking(String name, String phone)
    {
        this.name = name;
        this.phone = phone;
    }

    public String getName()
    {
        return name;
    }

    public String getAddress()
    {
        return address;
    }

    public String getPhone()
    {
        return phone;
    }

    public double getPrice()
    {
        return price;
    }

    public double getTotalPay()
    {
        return totalPay;
    }

    public void setName(String n)
    {
        name = n;
    }

    public void setAddress(String a)
    {
        address = a;
    }

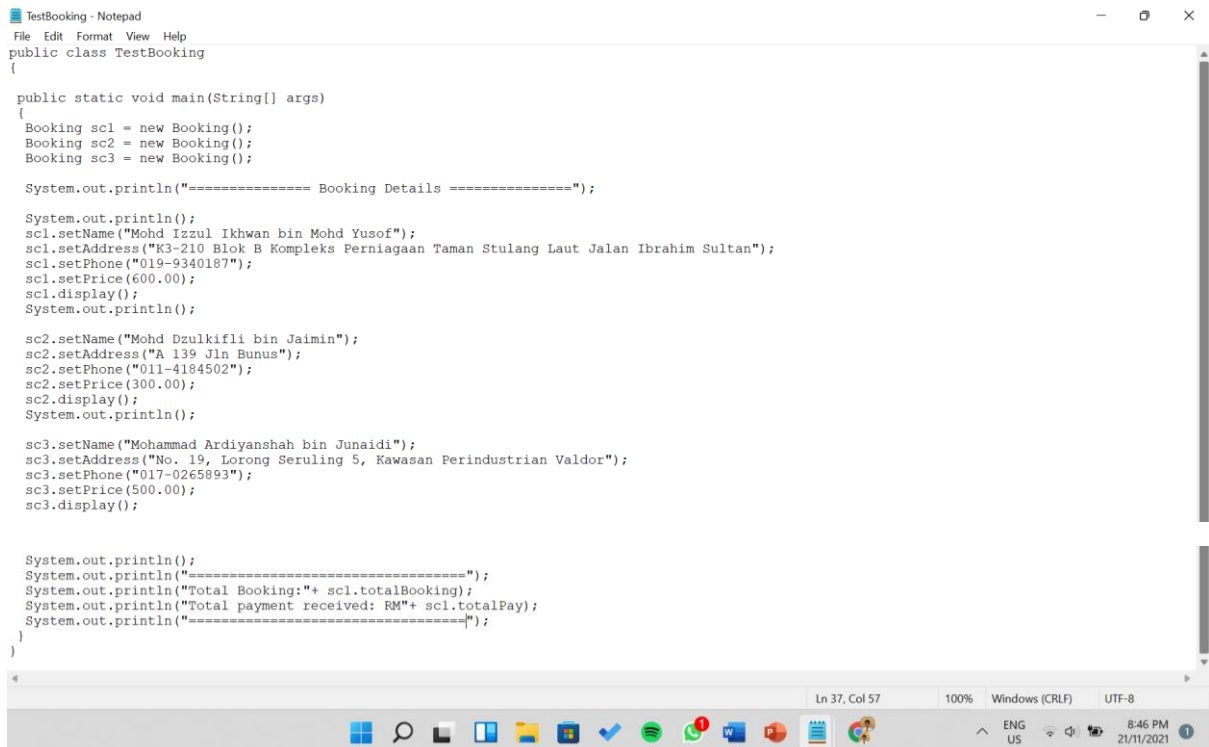
    public void setPhone(String h)
    {
        phone = h;
    }

    public void setPrice(double p)
    {
        price = p;
        totalPay = p+totalPay;
        totalBooking++;
    }

    public void display()
    {
        System.out.println("Name of booking = "+name);
        System.out.println("Address of booking = "+address);
        System.out.println("Phone number = "+phone);
        System.out.println("Price = RM %.2f \n", price);
    }
}
```

Ln 4, Col 2 100% Windows (CRLF) UTF-8

8:46 PM 21/11/2021

Notepad (TestBooking.java)


```

TestBooking - Notepad
File Edit Format View Help
public class TestBooking
{
    public static void main(String[] args)
    {
        Booking sc1 = new Booking();
        Booking sc2 = new Booking();
        Booking sc3 = new Booking();

        System.out.println("===== Booking Details =====");

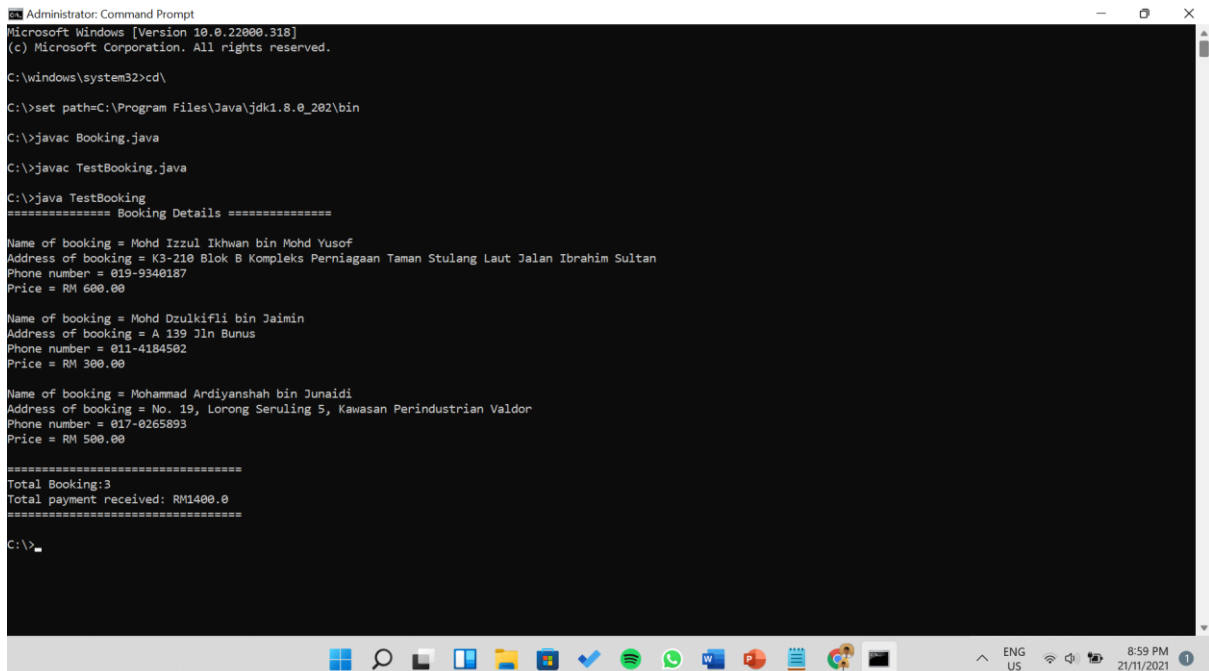
        System.out.println();
        sc1.setName("Mohd Izzul Ikhwan bin Mohd Yusof");
        sc1.setAddress("K3-210 Blok B Kompleks Perniagaan Taman Stulang Laut Jalan Ibrahim Sultan");
        sc1.setPhone("019-9340187");
        sc1.setPrice(600.00);
        sc1.display();
        System.out.println();

        sc2.setName("Mohd Dzulkifli bin Jaimin");
        sc2.setAddress("A 139 Jln Bunus");
        sc2.setPhone("011-4184502");
        sc2.setPrice(300.00);
        sc2.display();
        System.out.println();

        sc3.setName("Mohammad Ardiyanshah bin Junaidi");
        sc3.setAddress("No. 19, Lorong Seruling 5, Kawasan Perindustrian Valdor");
        sc3.setPhone("017-0265893");
        sc3.setPrice(500.00);
        sc3.display();

        System.out.println();
        System.out.println("=====");
        System.out.println("Total Booking:" + sc1.totalBooking);
        System.out.println("Total payment received: RM" + sc1.totalPay);
        System.out.println("=====");
    }
}
Ln 37, Col 57 100% Windows (CRLF) UTF-8

```

Command Prompt


```

Administrator: Command Prompt
Microsoft Windows [Version 10.0.22000.318]
(c) Microsoft Corporation. All rights reserved.

C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_202\bin
C:\>javac Booking.java
C:\>javac TestBooking.java
C:\>java TestBooking
===== Booking Details =====

Name of booking = Mohd Izzul Ikhwan bin Mohd Yusof
Address of booking = K3-210 Blok B Kompleks Perniagaan Taman Stulang Laut Jalan Ibrahim Sultan
Phone number = 019-9340187
Price = RM 600.00

Name of booking = Mohd Dzulkifli bin Jaimin
Address of booking = A 139 Jln Bunus
Phone number = 011-4184502
Price = RM 300.00

Name of booking = Mohammad Ardiyanshah bin Junaidi
Address of booking = No. 19, Lorong Seruling 5, Kawasan Perindustrian Valdor
Phone number = 017-0265893
Price = RM 500.00

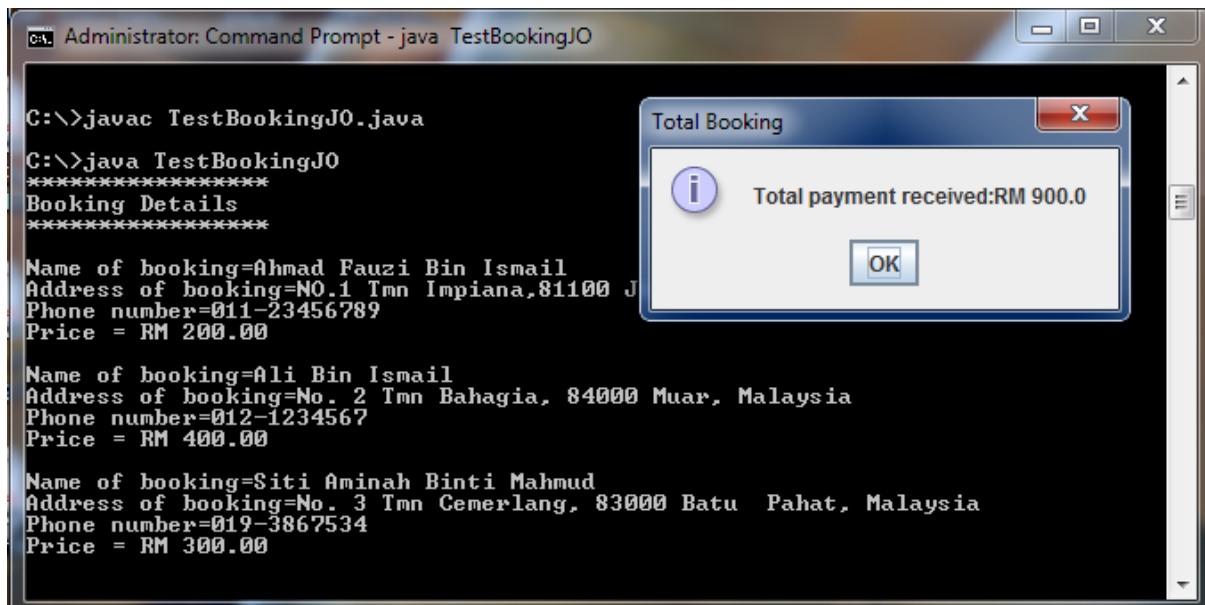
=====
Total Booking:3
Total payment received: RM1400.0
=====

C:\>_

```


Part C: (10 marks)

Display the results in Part B using appropriate dialog box as shown.



Notepad

```
TestBooking2 - Notepad
File Edit Format View Help
import java.util.Scanner;
import javax.swing.JOptionPane;

class Booking
{
    private String name;
    private String address;
    private String phone;
    private double price;
    public static int totalBooking=0;
    public static double totalPay=0;

    public Booking()
    {
    }

    public Booking(String name, String phone)
    {
        this.name = name;
        this.phone = phone;
    }

    public String getName()
    {
        return name;
    }

    public String getAddress()
    {
        return address;
    }

    public String getPhone()
    {
        return phone;
    }

    public double getPrice()
    {
        return price;
    }

    public double getTotalPay()
    {
        return totalPay;
    }

    public void setName(String n)
    {
        name = n;
    }

    public void setAddress(String a)
    {
        address = a;
    }

    public void setPhone(String h)
    {
        phone = h;
    }

    public void setPrice(double p)
    {
        price = p;
        totalPay = p+totalPay;
        totalBooking++;
    }

    public void display()
    {
        System.out.println("Name of booking = "+name);
        System.out.println("Address of booking = "+address);
        System.out.println("Phone number = "+phone);
        System.out.printf("Price = RM %.2f \n", price);
    }
}

public class TestBooking2
{
    public static void main(String[] args)
    {
        Booking sc1 = new Booking();
        Booking sc2 = new Booking();
        Booking sc3 = new Booking();
    }
}
```

```

System.out.println("===== Booking Details =====");

System.out.println();
sc1.setName("Mohd Izzul Ikhwan bin Mohd Yusof");
sc1.setAddress("K3-210 Blok B Kompleks Perniagaan Taman Stulang Laut Jalan Ibrahim Sultan");
sc1.setPhone("019-9340187");
sc1.setPrice(600.00);
sc1.display();
System.out.println();

sc2.setName("Mohd Dzulkifli bin Jaimin");
sc2.setAddress("A 139 Jln Bunus");
sc2.setPhone("011-4184502");
sc2.setPrice(300.00);
sc2.display();
System.out.println();

sc3.setName("Mohammad Ardiyanshah bin Junaidi");
sc3.setAddress("No. 19, Lorong Seruling 5, Kawasan Perindustrian Valdor");
sc3.setPhone("017-0265893");
sc3.setPrice(500.00);
sc3.display();

JOptionPane.showMessageDialog(null,"Total Payment Received is: RM"+ sc1.totalPay,"Total Booking",JOptionPane.PLAIN_MESSAGE);
}

```

Command Prompt

```

Administrator: Command Prompt - java TestBooking2
Microsoft Windows [Version 10.0.22000.318]
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C:\windows\system32>cd\

C:\>set path=C:\Program Files\Java\jdk1.8.0_282\bin

C:\>javac TestBooking2.java

C:\>java TestBooking2
===== Booking Details =====

Name of booking = Mohd Izzul Ikhwan bin Mohd Yusof
Address of booking = K3-210 Blok B Kompleks Perniagaan Taman Stulang Laut Jalan Ibrahim Sultan
Phone number = 019-9340187
Price = RM 600.00

Name of booking = Mohd Dzulkifli bin Jaimin
Address of booking = A 139 Jln Bunus
Phone number = 011-4184502
Price = RM 300.00

Name of booking = Mohammad Ardiyanshah bin Junaidi
Address of booking = No. 19, Lorong Seruling 5, Kawasan Perindustrian Valdor
Phone number = 017-0265893
Price = RM 500.00

```

A dialog box titled "Total Booking" is displayed in the center of the Command Prompt window. It contains the text "Total Payment Received is: RM1400.00" and an "OK" button.