OOP LAB ASSIGNMENT 1

Name: Shahmeer khan.

Student ID:12113.

Class Id: 106278.

Assignment:

Question no. 1:

Inputted Code:

Add_Appetizer.cs(Another Form):

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.OleDb;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
    public partial class Add_Appetizers : Form
    {
        public int i;
        public Add_Appetizers()
```

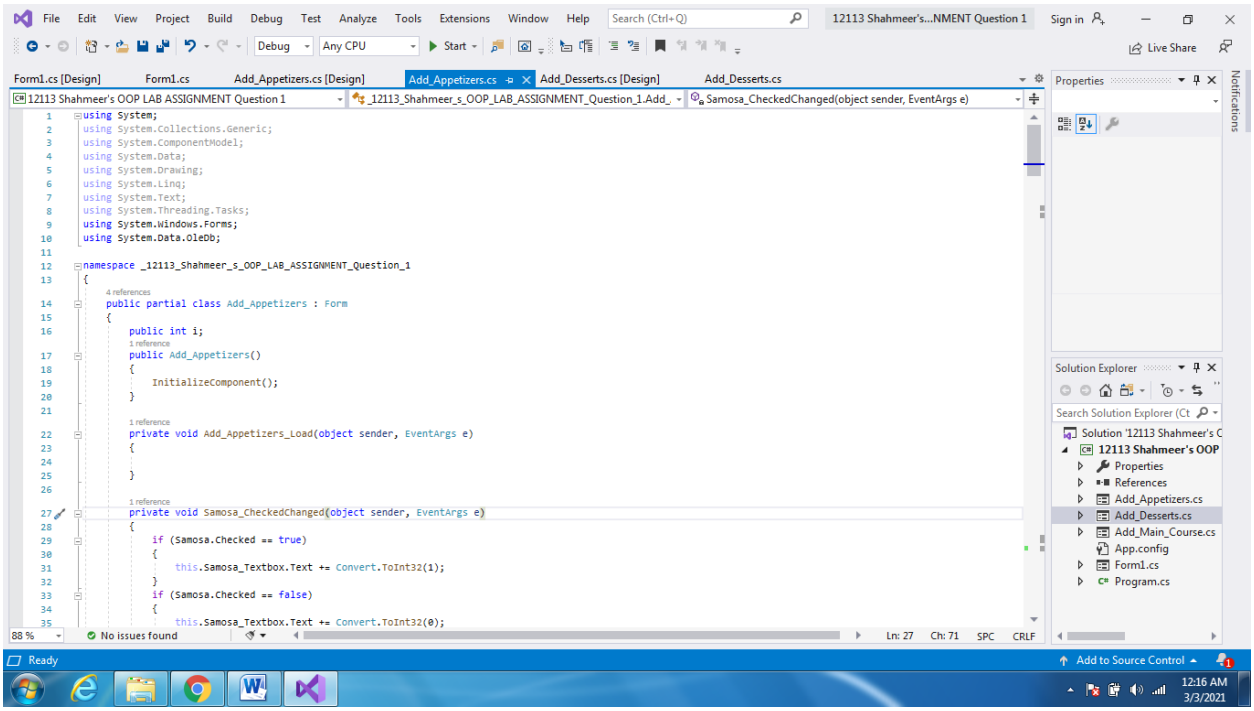
```
{
    InitializeComponent();
}

private void Add_Appetizers_Load(object sender, EventArgs e)
{

}

private void Samosa_CheckedChanged(object sender, EventArgs e)
{
    if (Samosa.Checked == true)
    {
        this.Samosa_Textbox.Text += Convert.ToInt32(1);
    }
    if (Samosa.Checked == false)
    {
        this.Samosa_Textbox.Text += Convert.ToInt32(0);
    }
}

private void Samosa_Textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Samosa_Textbox.Text);
}

private void Somaso_Subtractor_Click(object sender, EventArgs e)
{

}

private void Samosa_Adder_Click(object sender, EventArgs e)
{

}

private void Name_Textbox_TextChanged(object sender, EventArgs e)
{
    string Student_Name_TextBox = Name_Textbox.Text;
}

private void Student_ID_textbox_TextChanged(object sender, EventArgs e)
{
    string Student_ID = Student_ID_textbox.Text;
}

private void Samosa_Addition_Button_Click(object sender, EventArgs e)
{
    Samosai_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Samosai_Total.Text += 15 * this.i;
    }
}

private void Subzi_Roll_CheckedChanged(object sender, EventArgs e)
{
    if (Subzi_Roll.Checked == true)
```

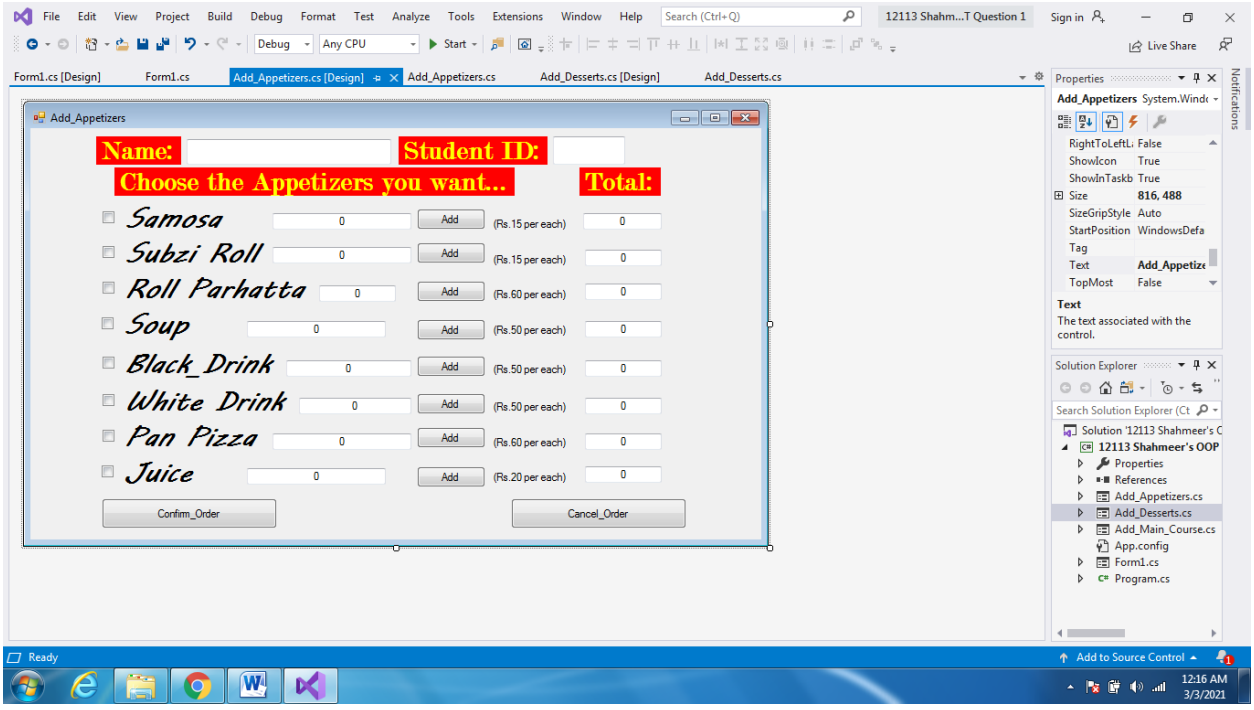
```
    {
        this.Subzi_Roll_texbox.Text += Convert.ToInt32(1);
    }
    if (Subzi_Roll.Checked == false)
    {
        this.Subzi_Roll_texbox.Text += Convert.ToInt32(0);
    }
}

private void Subzi_Roll_texbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Subzi_Roll_texbox.Text);
}

private void Subzi_Roll_Addition_Button_Click(object sender, EventArgs e)
{
    Subzi_Roll_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Subzi_Roll_Total.Text += 15 * this.i;
    }
}

private void Roll_Parhatta_CheckedChanged(object sender, EventArgs e)
{
    if (Roll_Parhatta.Checked == true)
    {
        this.Roll_paratha_textbox.Text += Convert.ToInt32(1);
    }
    if (Roll_Parhatta.Checked == false)
    {
        this.Roll_paratha_textbox.Text += Convert.ToInt32(0);
    }
}

private void Roll_paratha_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Roll_paratha_textbox.Text);
}

private void Roll_Parhata_Addition_Button_Click(object sender, EventArgs e)
{
    Roll_Paratha_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Roll_Paratha_Total.Text += 60 * this.i;
    }
}

private void Soup_CheckedChanged(object sender, EventArgs e)
{
    if (Soup.Checked == true)
    {
        this.Soup_textbox.Text += Convert.ToInt32(1);
    }
    if (Soup.Checked == false)
    {
        this.Soup_textbox.Text += Convert.ToInt32(0);
```

```
    }
}

private void Soup_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Soup_textbox.Text);
}

private void Soup_Addition_Button_Click(object sender, EventArgs e)
{
    Soup_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Soup_Total.Text += 50 * this.i;
    }
}

private void Black_Drink_CheckedChanged(object sender, EventArgs e)
{
    if (Black_Drink.Checked == true)
    {
        this.Black_Drink_textbox.Text += Convert.ToInt32(1);
    }
    if (Black_Drink.Checked == false)
    {
        this.Black_Drink_textbox.Text += Convert.ToInt32(0);
    }
}

private void Black_Drink_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Black_Drink_textbox.Text);
}

private void Black_Drink_Button_Click(object sender, EventArgs e)
{
    Black_Drink_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Black_Drink_Total.Text += 50 * this.i;
    }
}

private void White_Drink_CheckedChanged(object sender, EventArgs e)
{
    if (White_Drink.Checked == true)
    {
        this.White_Drink_textbox.Text += Convert.ToInt32(1);
    }
    if (White_Drink.Checked == false)
    {
        this.White_Drink_textbox.Text += Convert.ToInt32(0);
    }
}

private void White_Drink_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(White_Drink_textbox.Text);
```

```
}

private void White_Drink_Addition_Button_Click(object sender, EventArgs e)
{
    White_Drink_total.Text = "";
    if (i >= 0 && i <= 100)
    {
        White_Drink_total.Text += 50 * this.i;
    }
}

private void Pan_Pizza_CheckedChanged(object sender, EventArgs e)
{
    if (Pan_Pizza.Checked == true)
    {
        this.Pan_Pizza_textbox.Text += Convert.ToInt32(1);
    }
    if (Pan_Pizza.Checked == false)
    {
        this.Pan_Pizza_textbox.Text += Convert.ToInt32(0);
    }
}

private void Pan_Pizza_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Pan_Pizza_textbox.Text);
}

private void Pan_Pizza_Addition_Button_Click(object sender, EventArgs e)
{
    Pan_Pizza_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Pan_Pizza_Total.Text += 60 * this.i;
    }
}

private void Juice_CheckedChanged(object sender, EventArgs e)
{
    if (Juice.Checked == true)
    {
        this.Juice_textbox.Text += Convert.ToInt32(1);
    }
    if (Juice.Checked == false)
    {
        this.Juice_textbox.Text += Convert.ToInt32(0);
    }
}

private void Juice_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Juice_textbox.Text);
}

private void Juice_Addition_Button_Click(object sender, EventArgs e)
{
    Juice_Total.Text = "";
    if (i >= 0 && i <= 100)
```

```
            {
                Juice_Total.Text += 20 * this.i;
            }
        }

        private void Cancel_Order_Button_Click(object sender, EventArgs e)
        {
            Close();
        }

        private void Confirm_Order_Button_Click(object sender, EventArgs e)
        {
            Random Random_Invoice_Number = new Random();
            double Invoice_Number = Random_Invoice_Number.Next(1, 1000000);
            if (Pan_Pizza.Checked == true || Juice.Checked == true || White_Drink.Checked
== true || Black_Drink.Checked == true
                || Soup.Checked == true || Roll_Parhatta.Checked == true ||
Subzi_Roll.Checked == true || Samosa.Checked == true)
            {
                MessageBox.Show("ORDER CONFIRMED!!!!\nKINDLY WAIT FOR YOUR APPETIZER'S
INVOICE NUMBER Which is:\n #" + Invoice_Number);
            }
            else
            {
                MessageBox.Show("ORDER SOMETHING!!!!!!!!!!!!!");
            }
            string Student_Name_TextBox = Name_Textbox.Text;
            string Student_ID = Student_ID_textbox.Text;
            string Number_of_Appetizers = Samosa_Textbox.Text + "\n" +
Subzi_Roll_texbox.Text + "\n" + Roll_paratha_textbox.Text + "\n" +
                Soup_textbox.Text + "\n" + Black_Drink_textbox.Text + "\n" +
White_Drink_textbox + "\n" + Pan_Pizza_textbox.Text + "\n" +
                Juice_textbox.Text;
            string Connection = @"Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\Kiet
2nd semeter\OOP LAB\
            OOP ASSIGNMENT 1\12113 Shahmeer OOP's Assignment Question 1.accdb;Persist
Security Info=True";
            OleDbConnection con = new OleDbConnection(Connection);
        }
    }
}
```


File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Debug
Any CPU
Start
Live Share
Form1.cs [Design]
Form1.cs
Add_Appetizers.cs [Design]
Add_Appetizers.cs
Add_Desserts.cs [Design]
Add_Desserts.cs
12113 Shahmeer's OOP LAB ASSIGNMENT Question 1
_12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1.Add_
Samosa_CheckedChanged(object sender, EventArgs e)
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.OleDb;
namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
4 references
public partial class Add_Appetizers : Form
{
public int i;
1 reference
public Add_Appetizers()
{
InitializeComponent();
}
1 reference
private void Add_Appetizers_Load(object sender, EventArgs e)
{
}
1 reference
private void Samosa_CheckedChanged(object sender, EventArgs e)
{
if (Samosa.Checked == true)
{
this.Samosa_Textbox.Text += Convert.ToInt32(1);
}
if (Samosa.Checked == false)
{
this.Samosa_Textbox.Text += Convert.ToInt32(0);
Properties
Solution Explorer
Search Solution Explorer (Ct
Solution '12113 Shahmeer's C
12113 Shahmeer's OOP
Properties
References
Add_Appetizers.cs
Add_Desserts.cs
Add_Main_Course.cs
App.config
Form1.cs
Program.cs
88 %
No issues found
Ln: 27
Ch: 71
SPC
CRLF
Ready
Add to Source Control
12:16 AM
3/3/2021

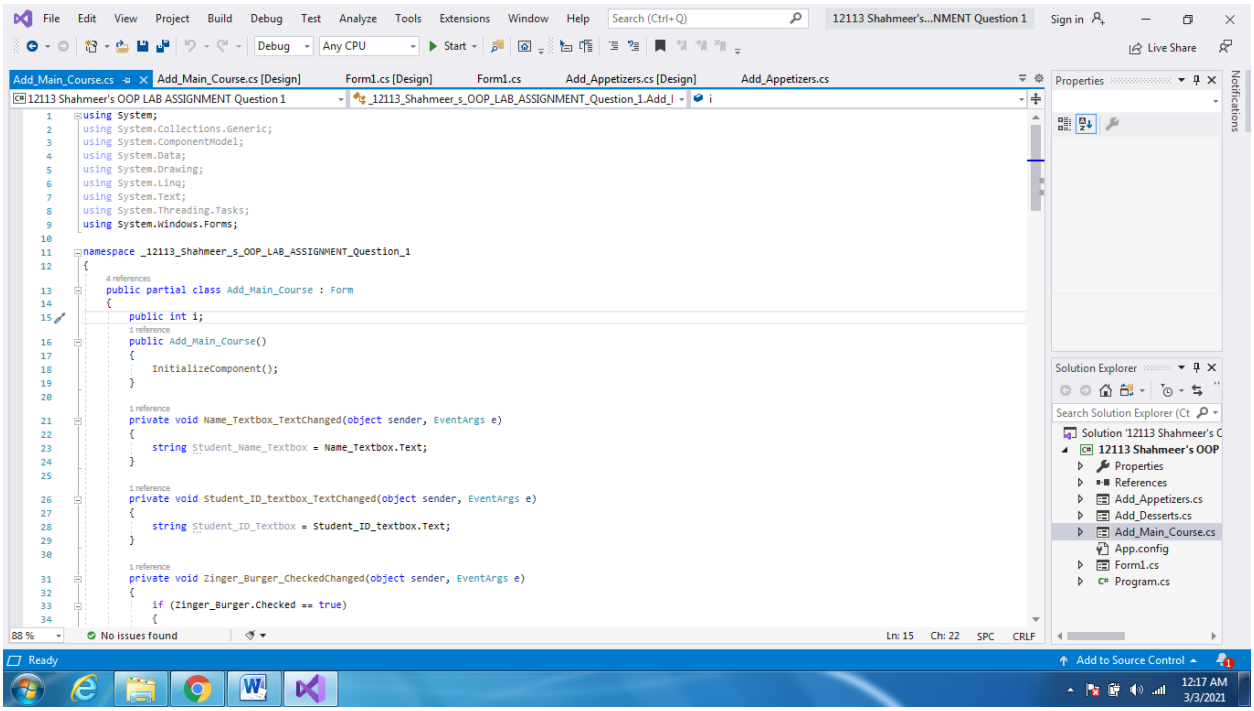

File Edit View Project Build Debug Format Test Analyze Tools Extensions Window Help
Debug
Any CPU
Start
Live Share
Form1.cs [Design]
Form1.cs
Add_Appetizers.cs [Design]
Add_Appetizers.cs
Add_Desserts.cs [Design]
Add_Desserts.cs
Add_Appetizers
Name:
Student ID:
Choose the Appetizers you want...
Total:
Samosa
Subzi Roll
Roll Parhatta
Soup
Black_Drink
White Drink
Pan Pizza
Juice
Add
(Rs.15 per each)
(Rs.60 per each)
(Rs.50 per each)
(Rs.20 per each)
Confirm_Order
Cancel_Order
Properties
Add_Appetizers System.Windo
RightToLeftL False
ShowIcon True
ShowInTaskb True
Size 816, 488
SizeGripStyle Auto
StartPosition WindowsDefa
Tag
Text Add_Appetize
TopMost False
Text
The text associated with the control.
Solution Explorer
Search Solution Explorer (Ct
Solution '12113 Shahmeer's C
12113 Shahmeer's OOP
Properties
References
Add_Appetizers.cs
Add_Desserts.cs
Add_Main_Course.cs
App.config
Form1.cs
Program.cs
Ready
Add to Source Control
12:16 AM
3/3/2021

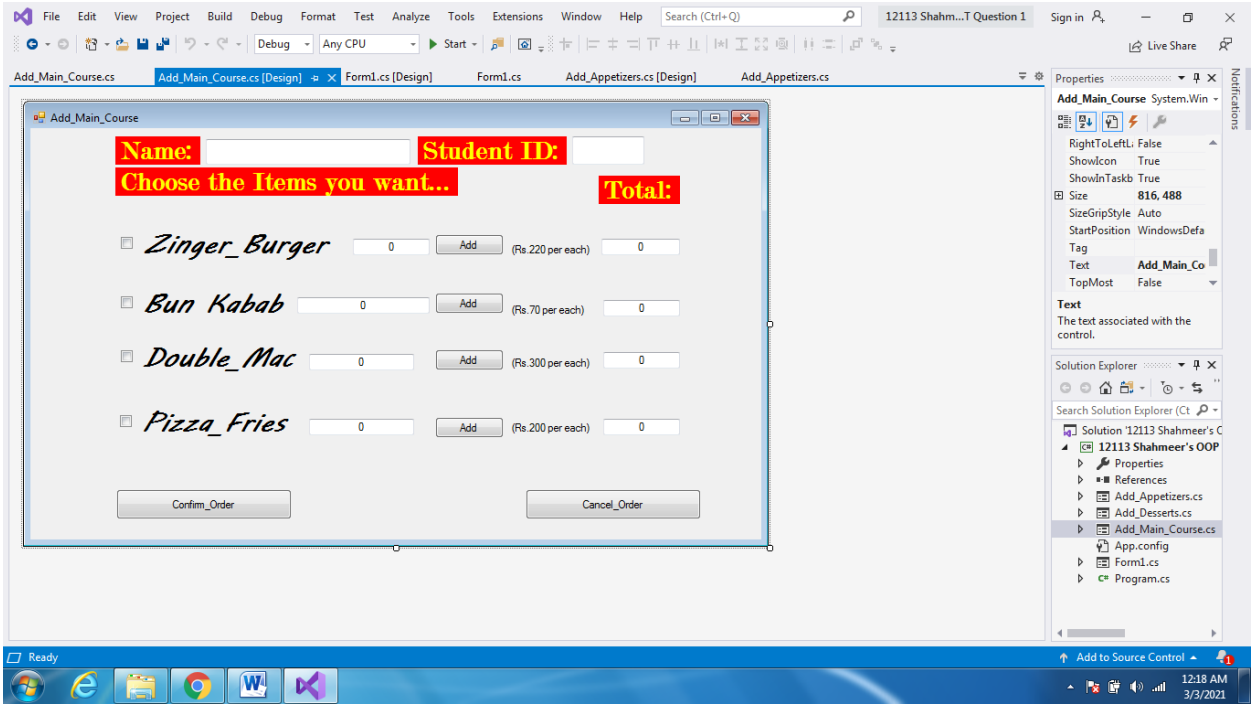
Add_Main_Course.cs(Another Form):

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
    public partial class Add_Main_Course : Form
    {
        public int i;
        public Add_Main_Course()
        {
            InitializeComponent();
        }

        private void Name_Textbox_TextChanged(object sender, EventArgs e)
        {
            string Student_Name_Textbox = Name_Textbox.Text;
        }

        private void Student_ID_textbox_TextChanged(object sender, EventArgs e)
        {
            string Student_ID_Textbox = Student_ID_textbox.Text;
        }

        private void Zinger_Burger_CheckedChanged(object sender, EventArgs e)
        {
            if (Zinger_Burger.Checked == true)
            {
                this.Zinger_Burger_Textbox.Text += Convert.ToInt32(1);
            }
            if (Zinger_Burger.Checked == false)
            {
                this.Zinger_Burger_Textbox.Text += Convert.ToInt32(0);
            }
        }

        private void Zinger_Burger_Textbox_TextChanged(object sender, EventArgs e)
        {
            i = int.Parse(Zinger_Burger_Textbox.Text);
        }

        private void Zinger_Burger_Addition_Button_Click(object sender, EventArgs e)
        {
            Zinger_Burger_Total.Text = "";
            if (i >= 0 && i <= 100)
            {
                Zinger_Burger_Total.Text += 220 * this.i;
            }
        }
```

```
private void Bun_Kabab_CheckedChanged(object sender, EventArgs e)
{
    if (Bun_Kabab.Checked == true)
    {
        this.Bun_Kabab_texbox.Text += Convert.ToInt32(1);
    }
    if (Bun_Kabab.Checked == false)
    {
        this.Bun_Kabab_texbox.Text += Convert.ToInt32(0);
    }
}

private void Bun_Kabab_texbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Bun_Kabab_texbox.Text);
}

private void Bun_Kabab_Addition_Button_Click(object sender, EventArgs e)
{
    Bun_Kabab_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Bun_Kabab_Total.Text += 70 * this.i;
    }
}

private void Double_Patty_Zinger_CheckedChanged(object sender, EventArgs e)
{
    if (Double_Patty_Zinger.Checked == true)
    {
        this.Double_Mac_textbox.Text += Convert.ToInt32(1);
    }
    if (Double_Patty_Zinger.Checked == false)
    {
        this.Double_Mac_textbox.Text += Convert.ToInt32(0);
    }
}

private void Double_Mac_textbox_TextChanged(object sender, EventArgs e)
{
    i = int.Parse(Double_Mac_textbox.Text);
}

private void Double_Mac_Addition_Button_Click(object sender, EventArgs e)
{
    Double_Mac_Total.Text = "";
    if (i >= 0 && i <= 100)
    {
        Double_Mac_Total.Text += 300 * this.i;
    }
}

private void Pizza_Fries_CheckedChanged(object sender, EventArgs e)
{
    if (Pizza_Fries.Checked == true)
    {
        this.Pizza_Fries_textbox.Text += Convert.ToInt32(1);
```

```
            }
            if (Pizza_Fries.Checked == false)
            {
                this.Pizza_Fries_textbox.Text += Convert.ToInt32(0);
            }
        }

        private void Pizza_Fries_textbox_TextChanged(object sender, EventArgs e)
        {
            i = int.Parse(Pizza_Fries_textbox.Text);
        }

        private void Pizza_Fries_Addition_Button_Click(object sender, EventArgs e)
        {
            Pizza_Fries_Total.Text = "";
            if (i >= 0 && i <= 100)
            {
                Pizza_Fries_Total.Text += 200 * this.i;
            }
        }

        private void Cancel_Order_Button_Click(object sender, EventArgs e)
        {
            Close();
        }

        private void Confirm_Order_Button_Click(object sender, EventArgs e)
        {
            Random Random_Invoice_Number = new Random();
            double Invoice_Number = Random_Invoice_Number.Next(1, 1000000);
            if (Pizza_Fries.Checked == true || Zinger_Burger.Checked == true ||
Double_Patty_Zinger.Checked == true ||
                Bun_Kabab.Checked == true)
            {
                MessageBox.Show("ORDER CONFIRMED!!!!\nKINDLY WAIT FOR YOUR FOOD'S INVOICE
NUMBER Which is:\n #" + Invoice_Number);
            }
            else
            {
                MessageBox.Show("ORDER SOMETHING!!!!!!!!!!!!!");
            }
        }
    }
}
```

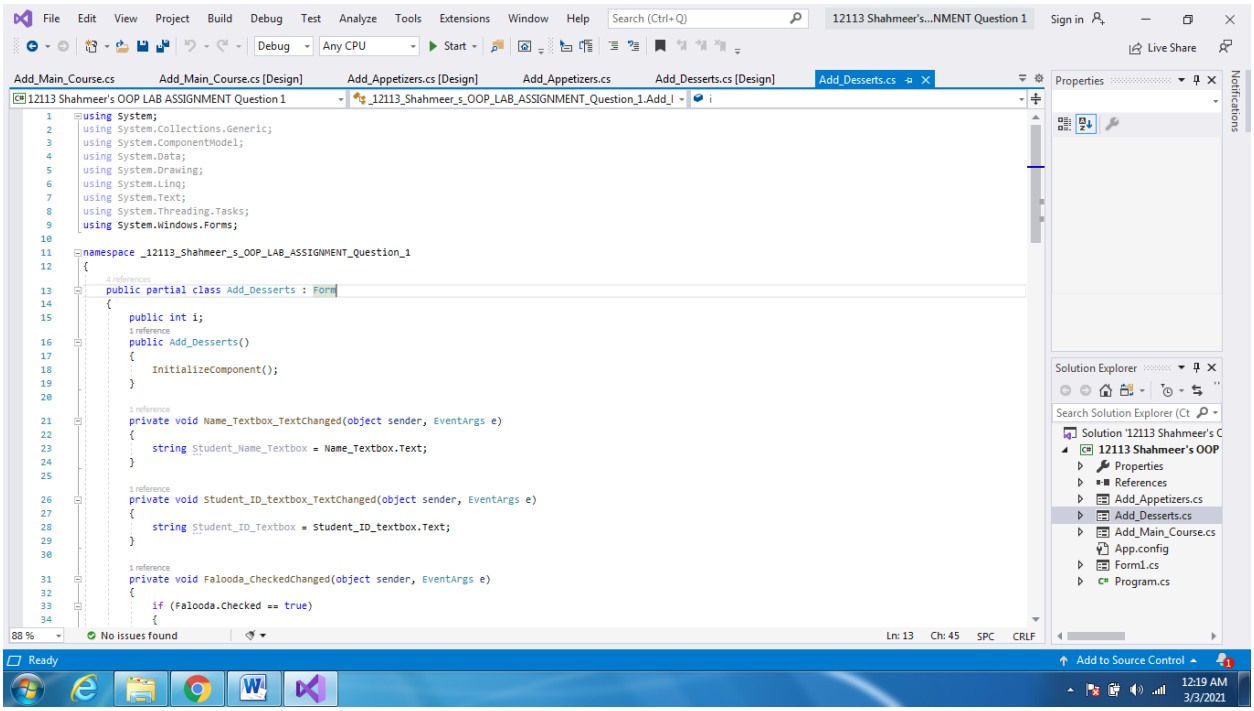

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
12113 Shahmeer's...NMENT Question 1
Sign in
Debug
Any CPU
Start
Live Share
Add_Main_Course.cs
Add_Main_Course.cs [Design]
Form1.cs [Design]
Form1.cs
Add_Appetizers.cs [Design]
Add_Appetizers.cs
12113 Shahmeer's OOP LAB ASSIGNMENT Question 1
_12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1.Add_I
i
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
4 references
public partial class Add_Main_Course : Form
{
public int i;
1 reference
public Add_Main_Course()
{
InitializeComponent();
}
1 reference
private void Name_Textbox_TextChanged(object sender, EventArgs e)
{
string Student_Name_Textbox = Name_Textbox.Text;
}
1 reference
private void Student_ID_textbox_TextChanged(object sender, EventArgs e)
{
string Student_ID_Textbox = Student_ID_textbox.Text;
}
1 reference
private void Zinger_Burger_CheckedChanged(object sender, EventArgs e)
{
if (Zinger_Burger.Checked == true)
{
88 %
No issues found
Ln: 15
Ch: 22
SPC
CRLF
Properties
Solution Explorer
Search Solution Explorer (Ct
Solution '12113 Shahmeer's C
12113 Shahmeer's OOP
Properties
References
Add_Appetizers.cs
Add_Desserts.cs
Add_Main_Course.cs
App.config
Form1.cs
Program.cs
Ready
Add to Source Control
12:17 AM
3/3/2021

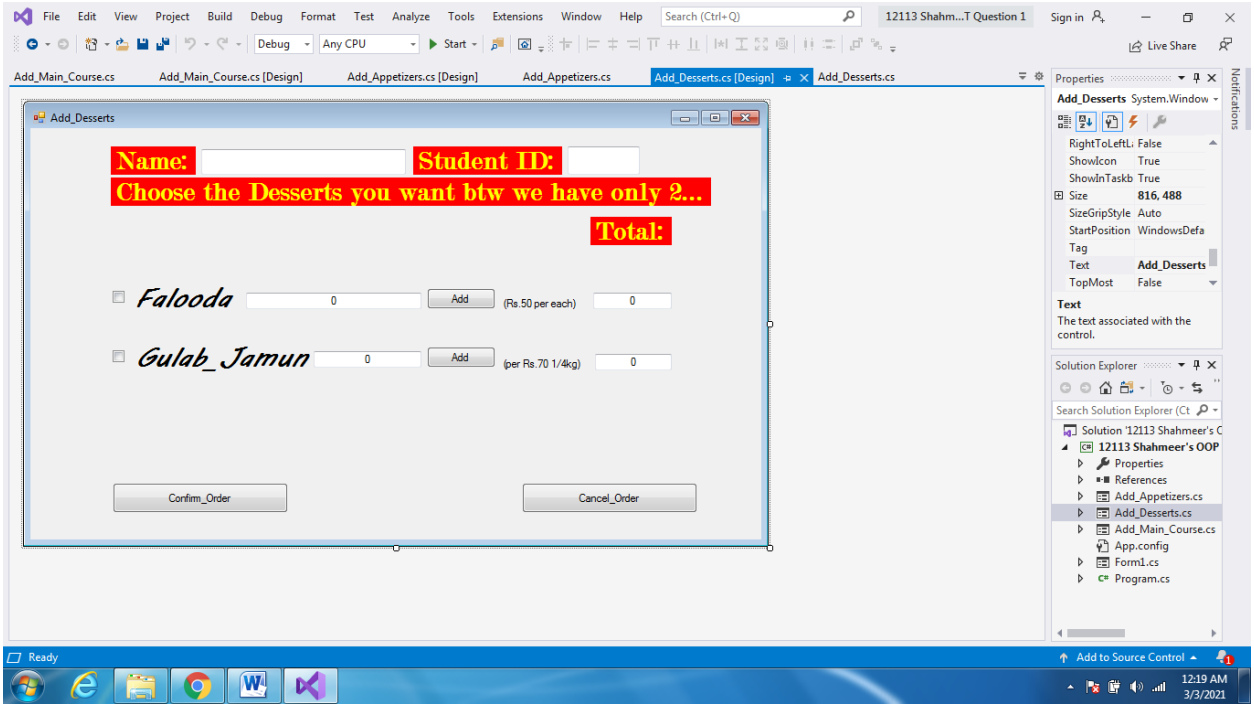

File Edit View Project Build Debug Format Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
12113 Shahm...T Question 1
Sign in
Debug
Any CPU
Start
Live Share
Add_Main_Course.cs
Add_Main_Course.cs [Design]
Form1.cs [Design]
Form1.cs
Add_Appetizers.cs [Design]
Add_Appetizers.cs
Add_Main_Course
Name:
Student ID:
Choose the Items you want...
Total:
Zinger_Burger
0
Add
(Rs.220 per each)
0
Bun Kabab
0
Add
(Rs.70 per each)
0
Double_Mac
0
Add
(Rs.300 per each)
0
Pizza_Fries
0
Add
(Rs.200 per each)
0
Confirm_Order
Cancel_Order
Properties
Add_Main_Course System.Win
RightToLeftL False
ShowIcon True
ShowInTaskb True
Size 816, 488
SizeGripStyle Auto
StartPosition WindowsDefa
Tag
Text Add_Main_Co
TopMost False
Text
The text associated with the control.
Solution Explorer
Search Solution Explorer (Ct
Solution '12113 Shahmeer's C
12113 Shahmeer's OOP
Properties
References
Add_Appetizers.cs
Add_Desserts.cs
Add_Main_Course.cs
App.config
Form1.cs
Program.cs
Ready
Add to Source Control
12:18 AM
3/3/2021

Add_Desserts.cs(Another Form):

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
    public partial class Add_Desserts : Form
    {
        public int i;
        public Add_Desserts()
        {
            InitializeComponent();
        }

        private void Name_Textbox_TextChanged(object sender, EventArgs e)
        {
            string Student_Name_Textbox = Name_Textbox.Text;
        }

        private void Student_ID_textbox_TextChanged(object sender, EventArgs e)
        {
            string Student_ID_Textbox = Student_ID_textbox.Text;
        }

        private void Falooda_CheckedChanged(object sender, EventArgs e)
        {
            if (Falooda.Checked == true)
            {
                this.Falooda_Textbox.Text += Convert.ToInt32(1);
            }
            if (Falooda.Checked == false)
            {
                this.Falooda_Textbox.Text += Convert.ToInt32(0);
            }
        }

        private void Falooda_Textbox_TextChanged(object sender, EventArgs e)
        {
            i = int.Parse(Falooda_Textbox.Text);
        }

        private void Falooda_Addition_Button_Click(object sender, EventArgs e)
        {
            Falooda_Total.Text = "";
            if (i >= 0 && i <= 100)
            {
                Falooda_Total.Text += 50 * this.i;
            }
        }
```

```
        private void Gulab_Jamun_CheckedChanged(object sender, EventArgs e)
        {
            if (Gulab_Jamun.Checked == true)
            {
                this.Gulab_Jamun_texbox.Text += Convert.ToInt32(1);
            }
            if (Falooda.Checked == false)
            {
                this.Gulab_Jamun_texbox.Text += Convert.ToInt32(0);
            }
        }

        private void Gulab_Jamun_texbox_TextChanged(object sender, EventArgs e)
        {
            i = int.Parse(Gulab_Jamun_texbox.Text);
        }

        private void Gulab_Jamun_Addition_Button_Click(object sender, EventArgs e)
        {
            Gulab_Jamun_Total.Text = "";
            if (i >= 0 && i <= 100)
            {
                Gulab_Jamun_Total.Text += 70 * this.i;
            }
        }

        private void Cancel_Order_Button_Click(object sender, EventArgs e)
        {
            Close();
        }

        private void Confirm_Order_Button_Click(object sender, EventArgs e)
        {
            Random Random_Invoice_Number = new Random();
            double Invoice_Number = Random_Invoice_Number.Next(1, 1000000);
            if (Falooda.Checked == true || Gulab_Jamun.Checked == true)
            {
                MessageBox.Show("ORDER CONFIRMED!!!!\nKINDLY WAIT FOR YOUR DESSERT'S
INVOICE NUMBER Which is:\n #" + Invoice_Number);
            }
            else
            {
                MessageBox.Show("ORDER SOMETHING!!!!!!!!!!!!!");
            }
        }
    }
}
```

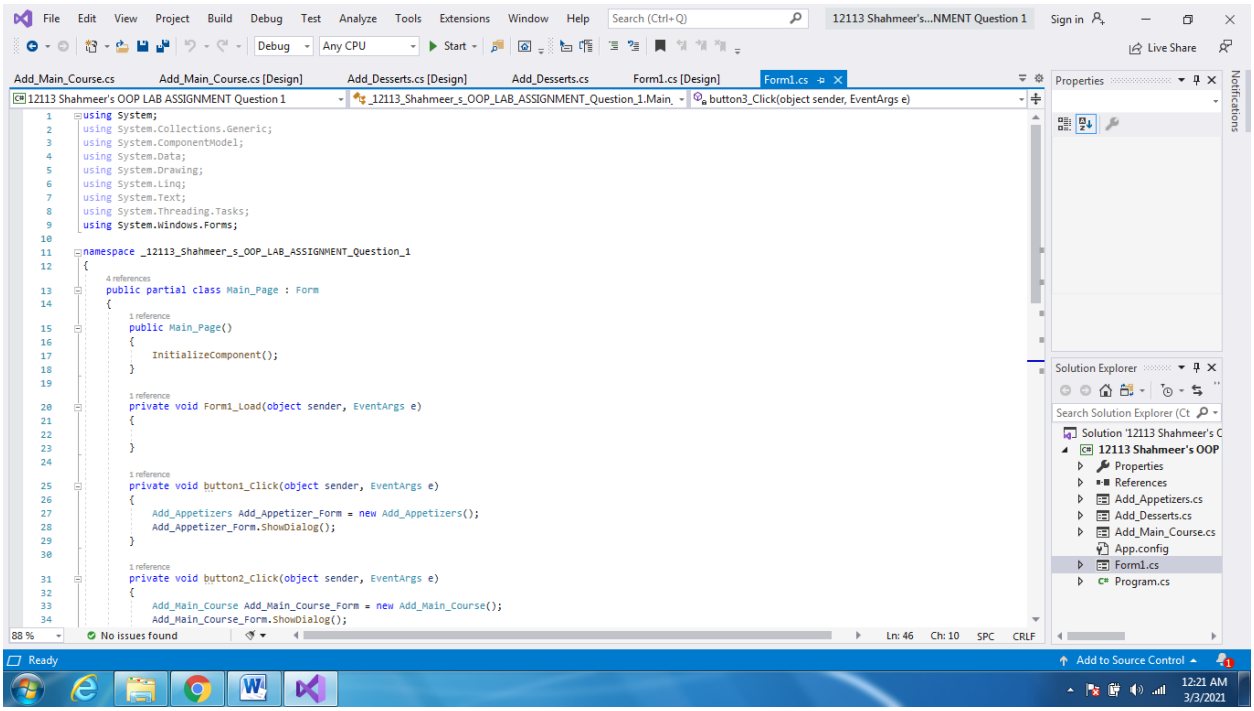




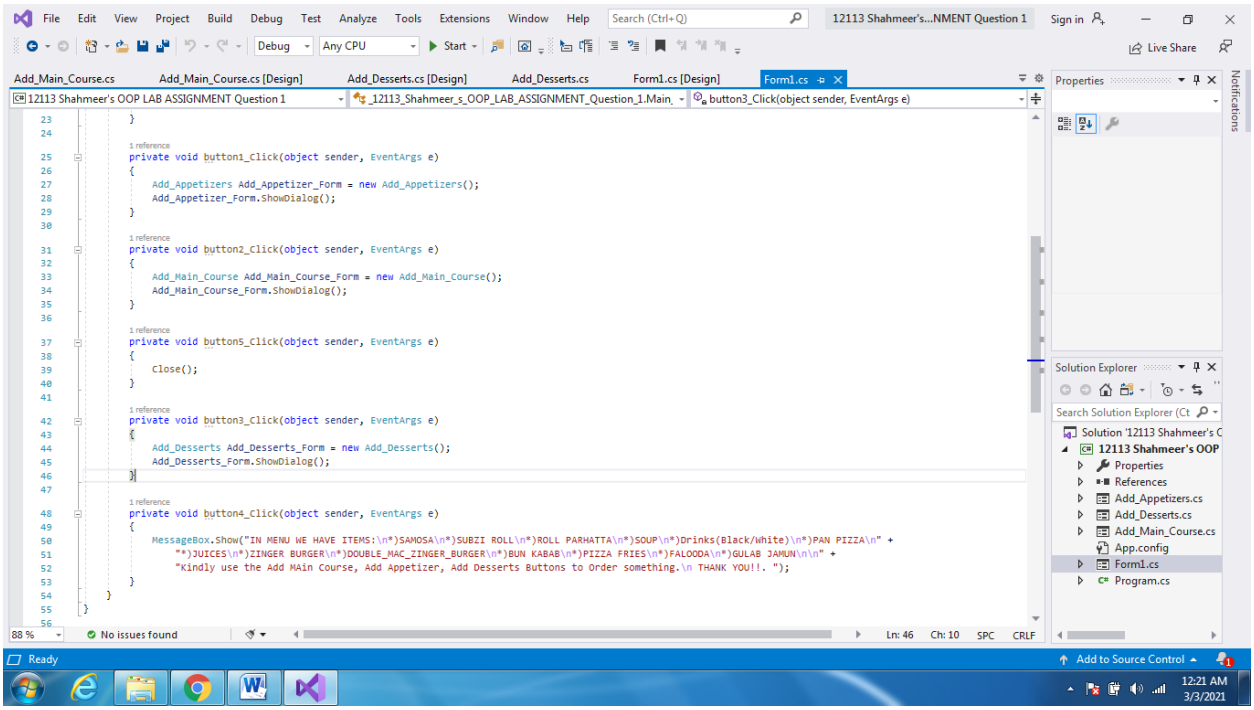
Form1.cs(Main_Page):

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
```

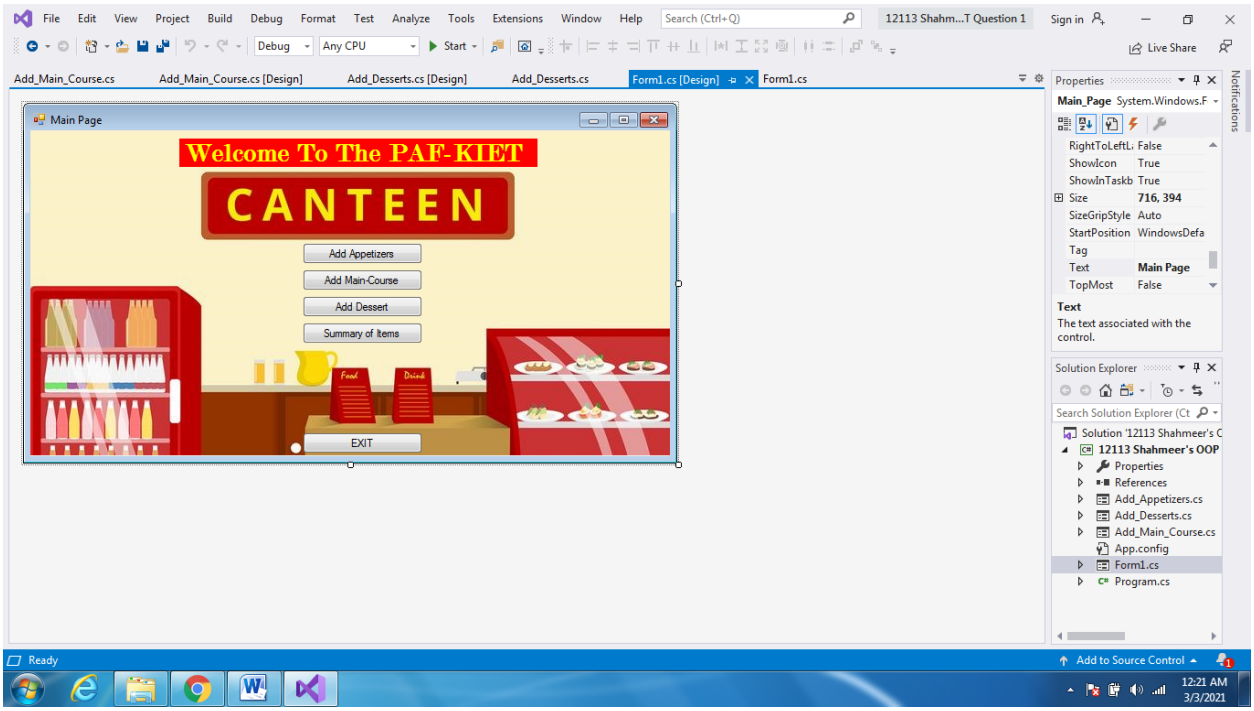
```
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
    public partial class Main_Page : Form
    {
        public Main_Page()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {

        }

        private void button1_Click(object sender, EventArgs e)
        {
            Add_Appetizers Add_Appetizer_Form = new Add_Appetizers();
            Add_Appetizer_Form.ShowDialog();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            Add_Main_Course Add_Main_Course_Form = new Add_Main_Course();
            Add_Main_Course_Form.ShowDialog();
        }

        private void button5_Click(object sender, EventArgs e)
        {
            Close();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            Add_Desserts Add_Desserts_Form = new Add_Desserts();
            Add_Desserts_Form.ShowDialog();
        }

        private void button4_Click(object sender, EventArgs e)
        {
            MessageBox.Show("IN MENU WE HAVE ITEMS:\n*)SAMOSA\n*)SUBZI ROLL\n*)ROLL
PARHATTA\n*)SOUP\n*)Drinks(Black/White)\n*)PAN PIZZA\n" +
                "*)JUICES\n*)ZINGER BURGER\n*)DOUBLE_MAC_ZINGER_BURGER\n*)BUN
KABAB\n*)PIZZA FRIES\n*)FALOODA\n*)GULAB JAMUN\n\n" +
                "Kindly use the Add MAin Course, Add Appetizer, Add Desserts Buttons to
Order something.\n THANK YOU!!. ");
        }
    }
}
```



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT_Question_1
{
    4 references
    public partial class Main_Page : Form
    {
        1 reference
        public Main_Page()
        {
            InitializeComponent();
        }

        1 reference
        private void Form1_Load(object sender, EventArgs e)
        {

        }

        1 reference
        private void button1_Click(object sender, EventArgs e)
        {
            Add_Appetizers Add_Appetizer_Form = new Add_Appetizers();
            Add_Appetizer_Form.ShowDialog();
        }

        1 reference
        private void button2_Click(object sender, EventArgs e)
        {
            Add_Main_Course Add_Main_Course_Form = new Add_Main_Course();
            Add_Main_Course_Form.ShowDialog();
```

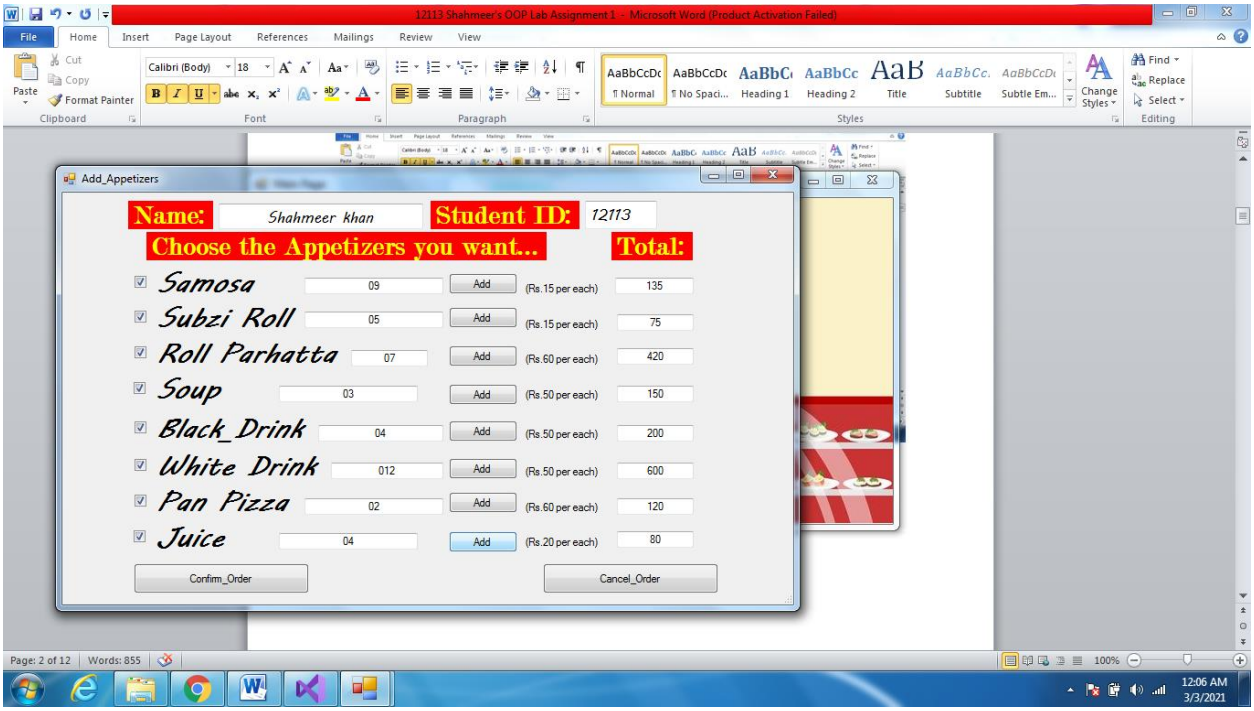


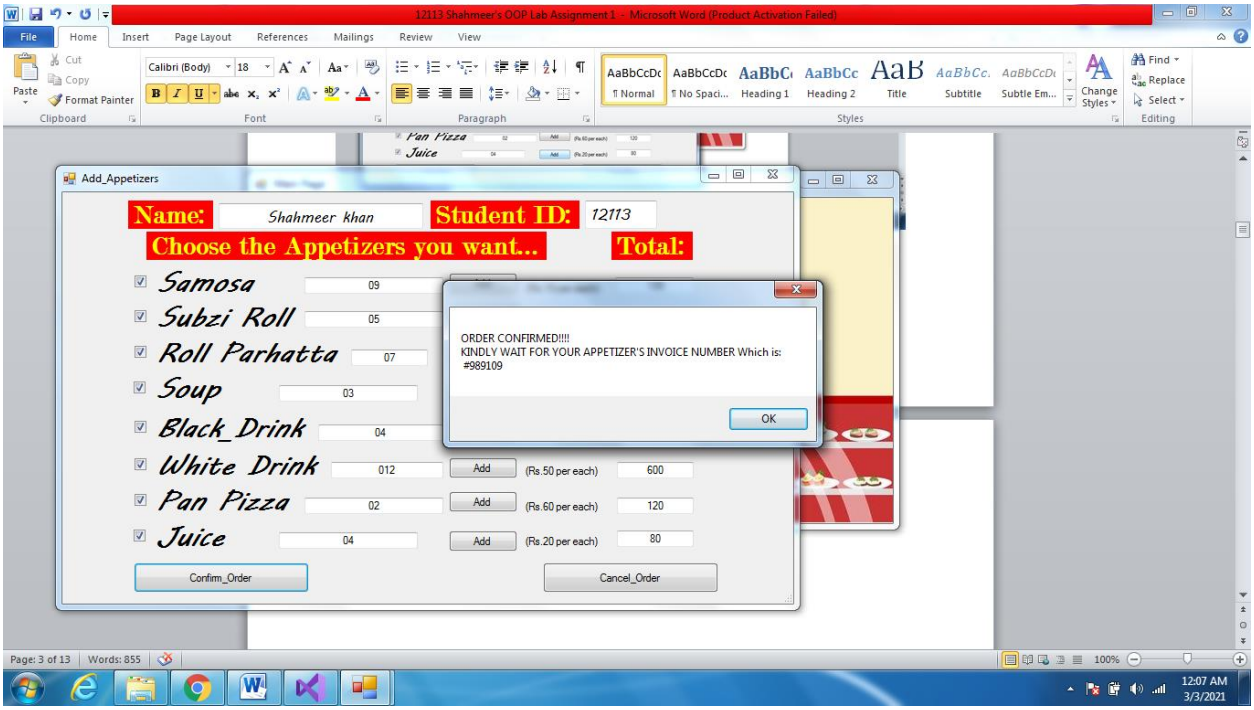
```
        }

        1 reference
        private void button1_Click(object sender, EventArgs e)
        {
            Add_Appetizers Add_Appetizer_Form = new Add_Appetizers();
            Add_Appetizer_Form.ShowDialog();
        }

        1 reference
        private void button2_Click(object sender, EventArgs e)
        {
            Add_Main_Course Add_Main_Course_Form = new Add_Main_Course();
            Add_Main_Course_Form.ShowDialog();
        }

        1 reference
        private void button5_Click(object sender, EventArgs e)
        {
            Close();
        }

        1 reference
        private void button3_Click(object sender, EventArgs e)
        {
            Add_Desserts Add_Desserts_Form = new Add_Desserts();
            Add_Desserts_Form.ShowDialog();
        }

        1 reference
        private void button4_Click(object sender, EventArgs e)
        {
            MessageBox.Show("IN MENU WE HAVE ITEMS:\n*)SAMOSA\n*)SUBZI ROLL\n*)ROLL PARHATTA\n*)SOUP\n*)Drinks(Black/White)\n*)PAN PIZZA\n" +
                "*)JUICES\n*)ZINGER BURGER\n*)DOUBLE_MAC_ZINGER_BURGER\n*)BUN KABAB\n*)PIZZA FRIES\n*)FALOODA\n*)GULAB JAMUN\n\n" +
                "Kindly use the Add MAin Course, Add Appetizer, Add Desserts Buttons to Order something.\n THANK YOU!!. ");
        }
    }
}
```

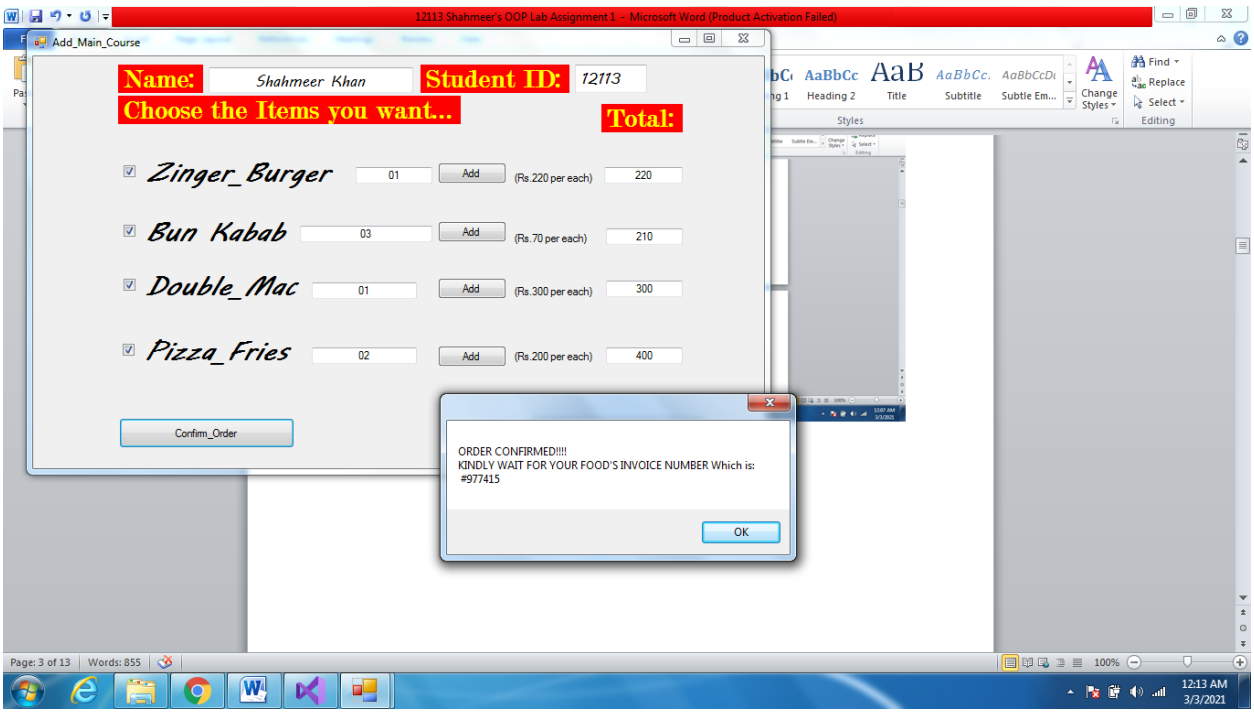

Main Page
Welcome To The PAF-KIET
CANTEEN
Add Appetizers
Add Main-Course
Add Dessert
Summary of Items
EXIT
Ready
Add to Source Control
12:21 AM
3/3/2021

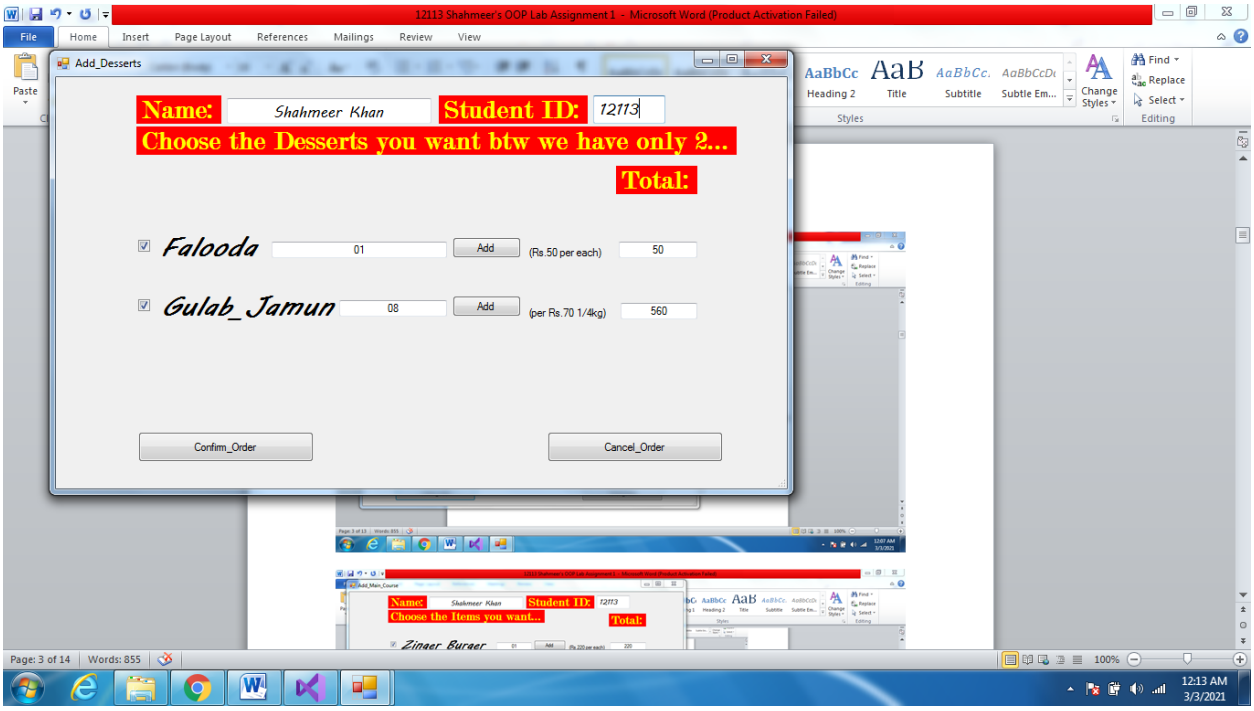
Output:

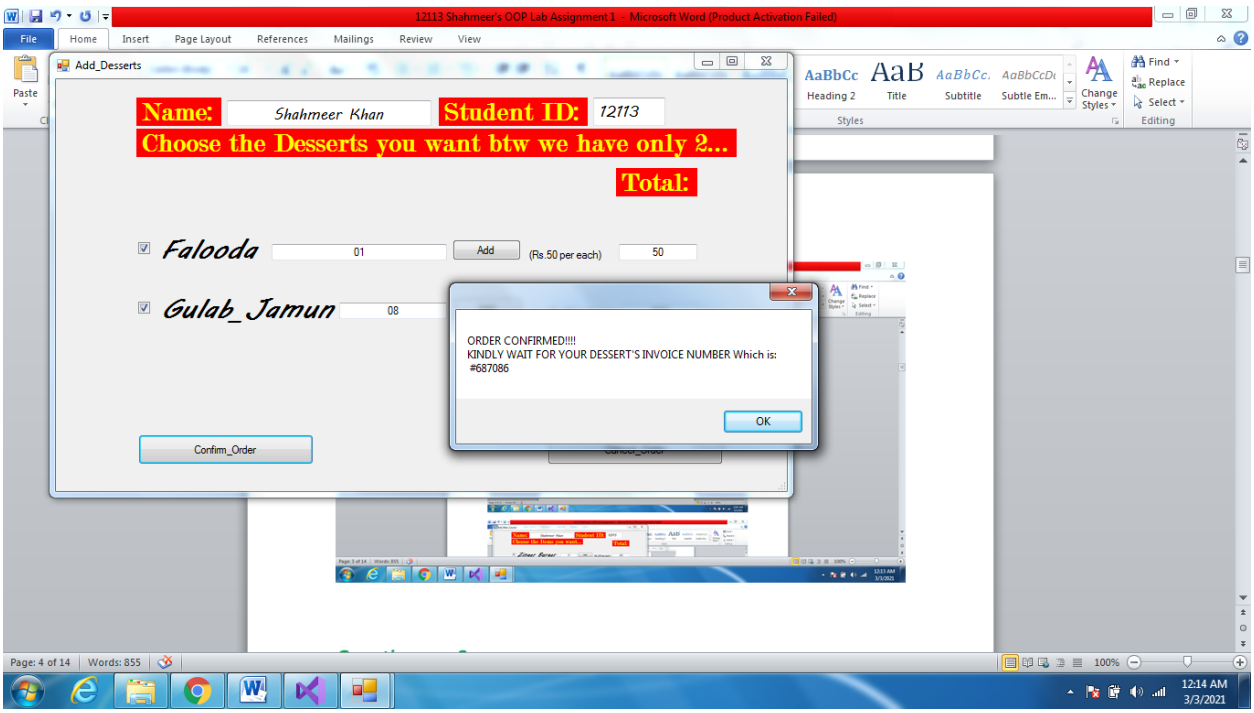

12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Question no. 1:
Main Page
Welcome To The PAF-KIET
CANTEEN
Add Appetizers
Add Main-Course
Add Dessert
Summary of Items
EXIT
Page: 1 of 12
Words: 855
100%
12:04 AM
3/3/2021

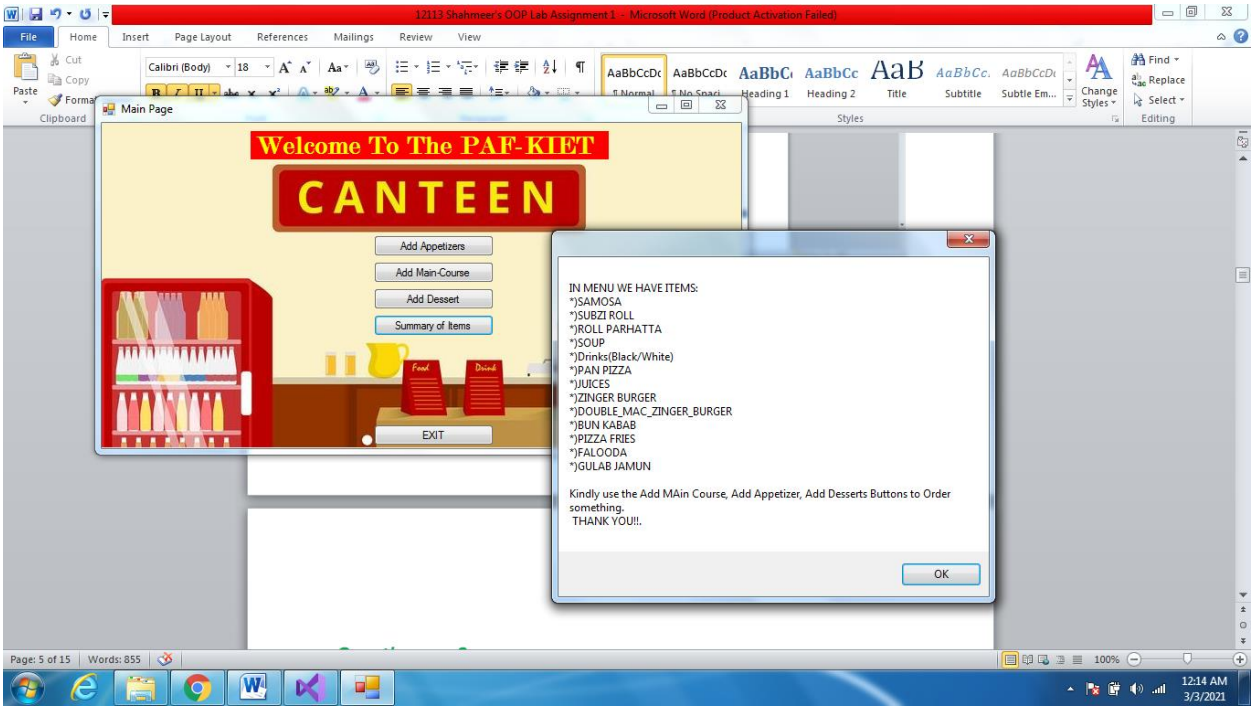

12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Add_Appetizers
Name:
Shahmeer khan
Student ID:
12113
Choose the Appetizers you want...
Total:
Samosa 09 Add (Rs.15 per each) 135
Subzi Roll 05 Add (Rs.15 per each) 75
Roll Parhatta 07 Add (Rs.60 per each) 420
Soup 03 Add (Rs.50 per each) 150
Black_Drink 04 Add (Rs.50 per each) 200
White Drink 012 Add (Rs.50 per each) 600
Pan Pizza 02 Add (Rs.60 per each) 120
Juice 04 Add (Rs.20 per each) 80
Confirm_Order
Cancel_Order
Page: 2 of 12
Words: 855
12:06 AM
3/3/2021


12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Add_Appetizers
Name:
Shahmeer khan
Student ID:
12113
Choose the Appetizers you want...
Total:
Samosa 09
Subzi Roll 05
Roll Parhatta 07
Soup 03
Black_Drink 04
White Drink 012 Add (Rs.50 per each) 600
Pan Pizza 02 Add (Rs.60 per each) 120
Juice 04 Add (Rs.20 per each) 80
ORDER CONFIRMED!!!!
KINDLY WAIT FOR YOUR APPETIZER'S INVOICE NUMBER Which is:
#989109
OK
Confirm_Order
Cancel_Order
Page: 3 of 13
Words: 855
12:07 AM
3/3/2021


12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Add_Main_Course
Name:
Shahmeer Khan
Student ID:
12113
Choose the Items you want...
Total:
Zinger_Burger
01
Add
(Rs.220 per each)
220
Bun Kabab
03
Add
(Rs.70 per each)
210
Double_Mac
01
Add
(Rs.300 per each)
300
Pizza_Fries
02
Add
(Rs.200 per each)
400
Confirm_Order
ORDER CONFIRMED!!!!
KINDLY WAIT FOR YOUR FOOD'S INVOICE NUMBER Which is:
#977415
OK
Page: 3 of 13
Words: 855
100%
12:13 AM
3/3/2021


12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
File
Home
Insert
Page Layout
References
Mailings
Review
View
Add_Desserts
Name:
Shahmeer Khan
Student ID:
12113
Choose the Desserts you want btw we have only 2...
Total:
Falooda
01
Add
(Rs.50 per each)
50
Gulab_Jamun
08
Add
(per Rs.70 1/4kg)
560
Confirm_Order
Cancel_Order
Page: 3 of 14
Words: 855
100%
12:13 AM
3/3/2021


12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Add_Desserts
Name:
Shahmeer Khan
Student ID:
12113
Choose the Desserts you want btw we have only 2...
Total:
Falooda
01
Add
(Rs.50 per each)
50
Gulab_Jamun
08
ORDER CONFIRMED!!!!
KINDLY WAIT FOR YOUR DESSERT'S INVOICE NUMBER Which is:
#687086
OK
Confirm_Order
Page: 4 of 14
Words: 855
100%
12:14 AM
3/3/2021


12113 Shahmeer's OOP Lab Assignment 1 - Microsoft Word (Product Activation Failed)
Main Page
Welcome To The PAF-KIET
CANTEEN
Add Appetizers
Add Main-Course
Add Dessert
Summary of Items
EXIT
IN MENU WE HAVE ITEMS:
*)SAMOSA
*)SUBZI ROLL
*)ROLL PARHATTA
*)SOUP
*)Drinks(Black/White)
*)PAN PIZZA
*)JUICES
*)ZINGER BURGER
*)DOUBLE_MAC_ZINGER_BURGER
*)BUN KABAB
*)PIZZA FRIES
*)FALOODA
*)GULAB JAMUN
Kindly use the Add MAin Course, Add Appetizer, Add Desserts Buttons to Order something.
THANK YOU!!.
OK
Page: 5 of 15
Words: 855
100%
12:14 AM
3/3/2021

Question no. 2:

Consider the following situation.

"The Head of Department of XYZ University allocates duties to members of teaching staff and others at the end of each academic year. One person (Teacher) is assigned to lecture each of the modules which are supposed to be available in the following year. Each teacher updates his/her course outline for the module assigned. The Course coordinator updates other parts of course outline and check the module entries produced by the teachers. The Academic Officer keeps the master list of all students and updates the mailing list of students taking different modules and sends it to the course coordinator. Student provisionally registers for modules. The academic officer checks that every student registered for a reasonable set of modules."

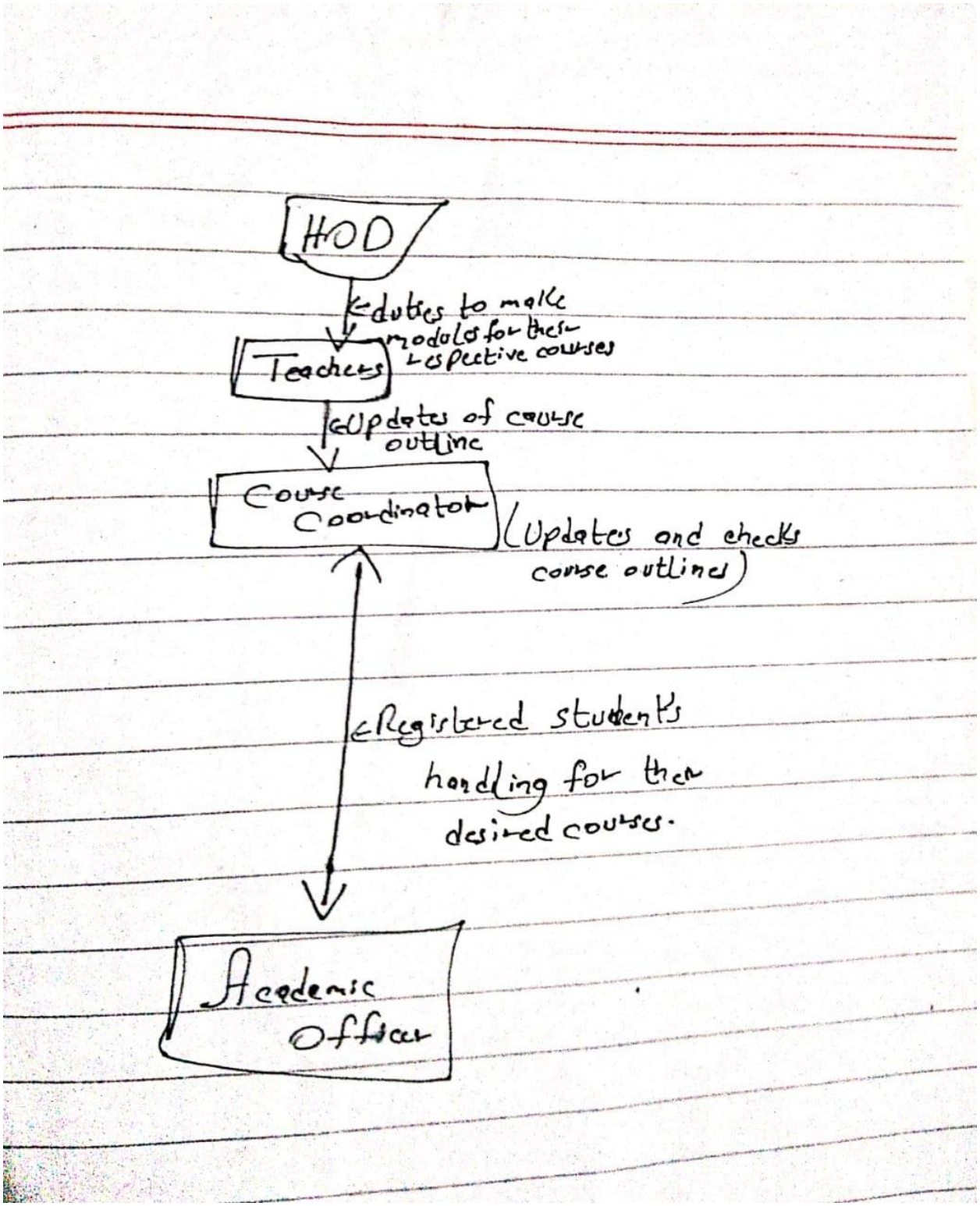
a) Predict the potential classes under the scope of this project? Also explain the reason of assumption.
   Answer: 1, I think only one class will be made which will be the parent of the other (2) maded classes(child classes of Parent one which was the only one maded like parent child relation kind of classes) under the scope of this project because the project is of one university and the project is on courses and to sort the students into their desired courses/field and for the courses required more classes will be made. in the form of inheritance.

   2, And also with only one class we can create this project with making three constructors at the start and one method/function used only.

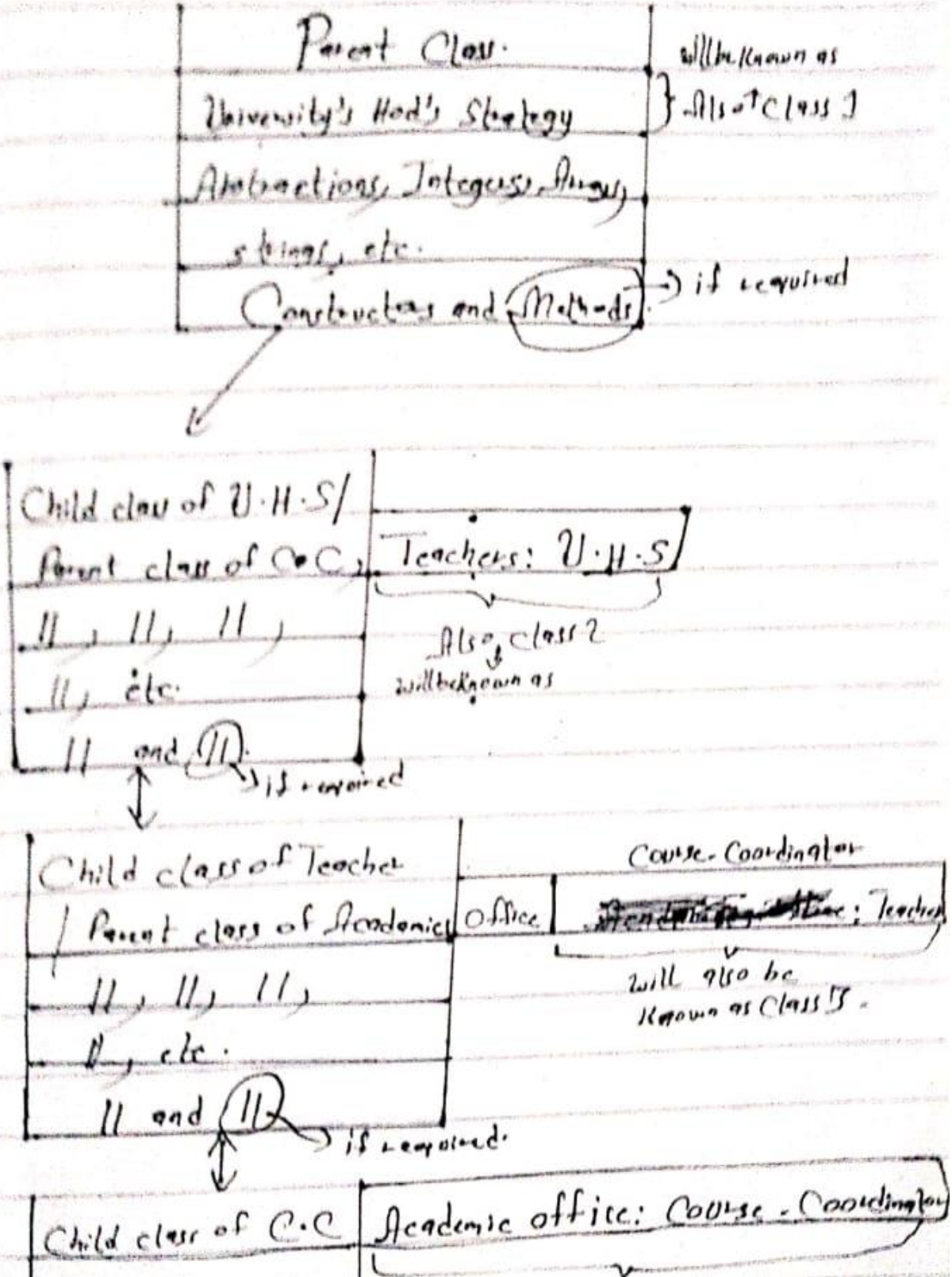
   For me Point 1 will be best for this project as it will be in form of inheritance and every class maded will be connected with other classes as the class will be called out in main function.
b) Show the purpose and scope of the project as per your own understanding?
   Answer: The purpose and scope of this project will be to sort the selected students into their desired/chosen (by them) field or courses.
c) Predict attributes and methods that are essential in the classes explain the reason?
   Answer: I think only one method will be used for the sorting of students coz if else will be used in it for the sorting of students into their desired feild/courses.

d) Illustrate an appropriate class hierarchy.

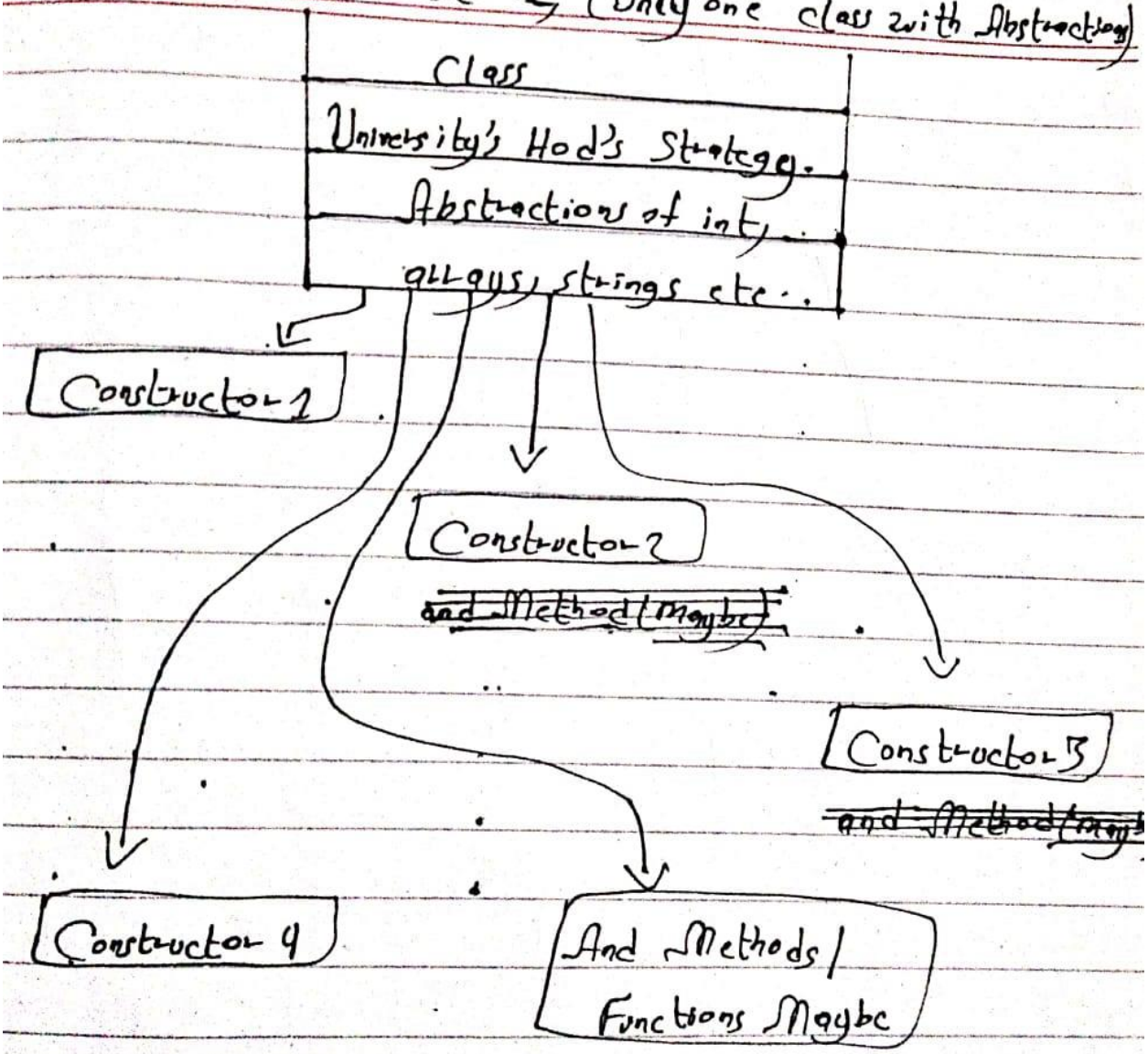
Answer: I would suggest a class with a name XYZ University's HOD's strategy.



Solution 2: (With Inheritance and Abstraction)



Solution 2: (Only one class with Abstraction)



Question no. 3:

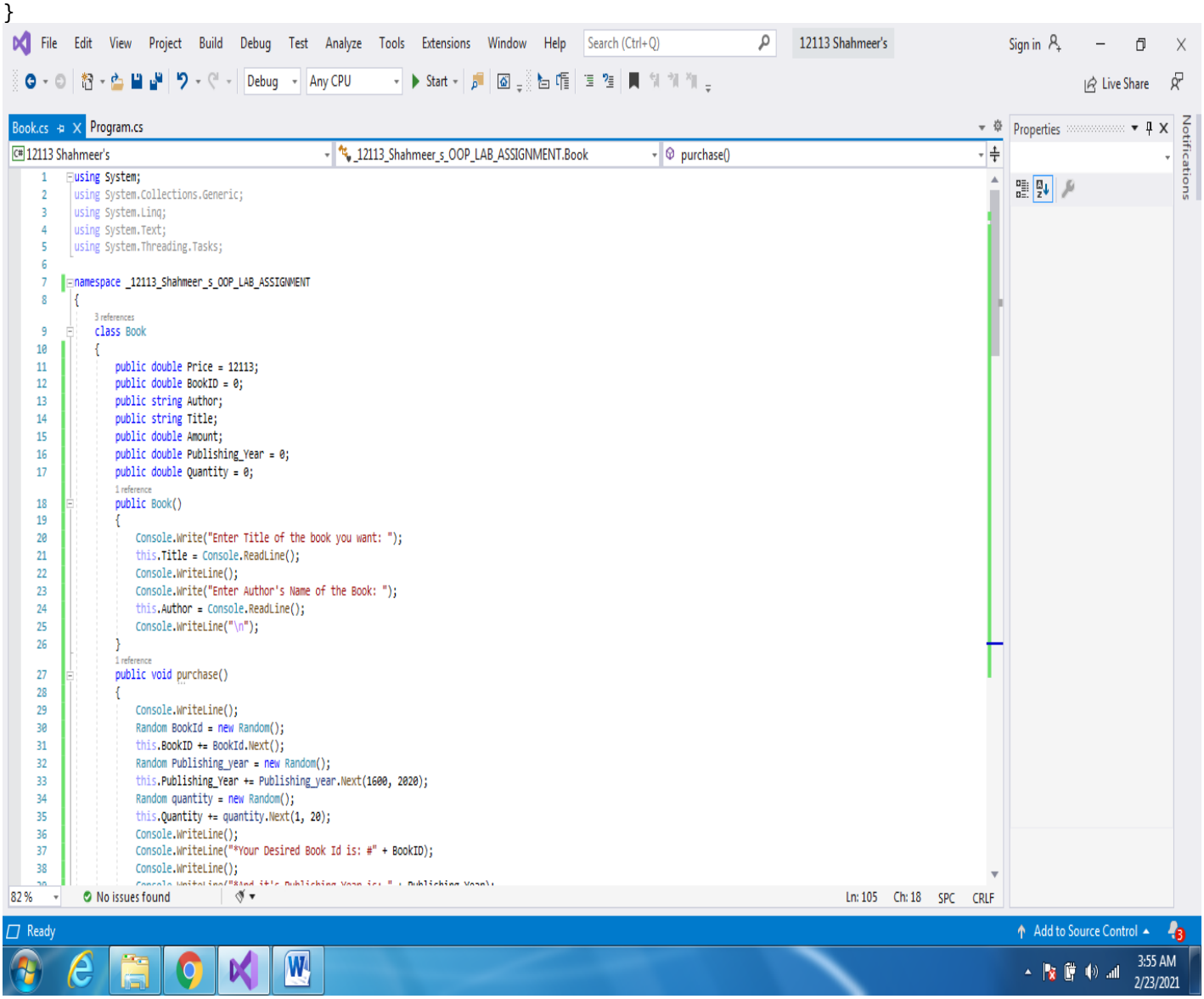
Inputted Code:

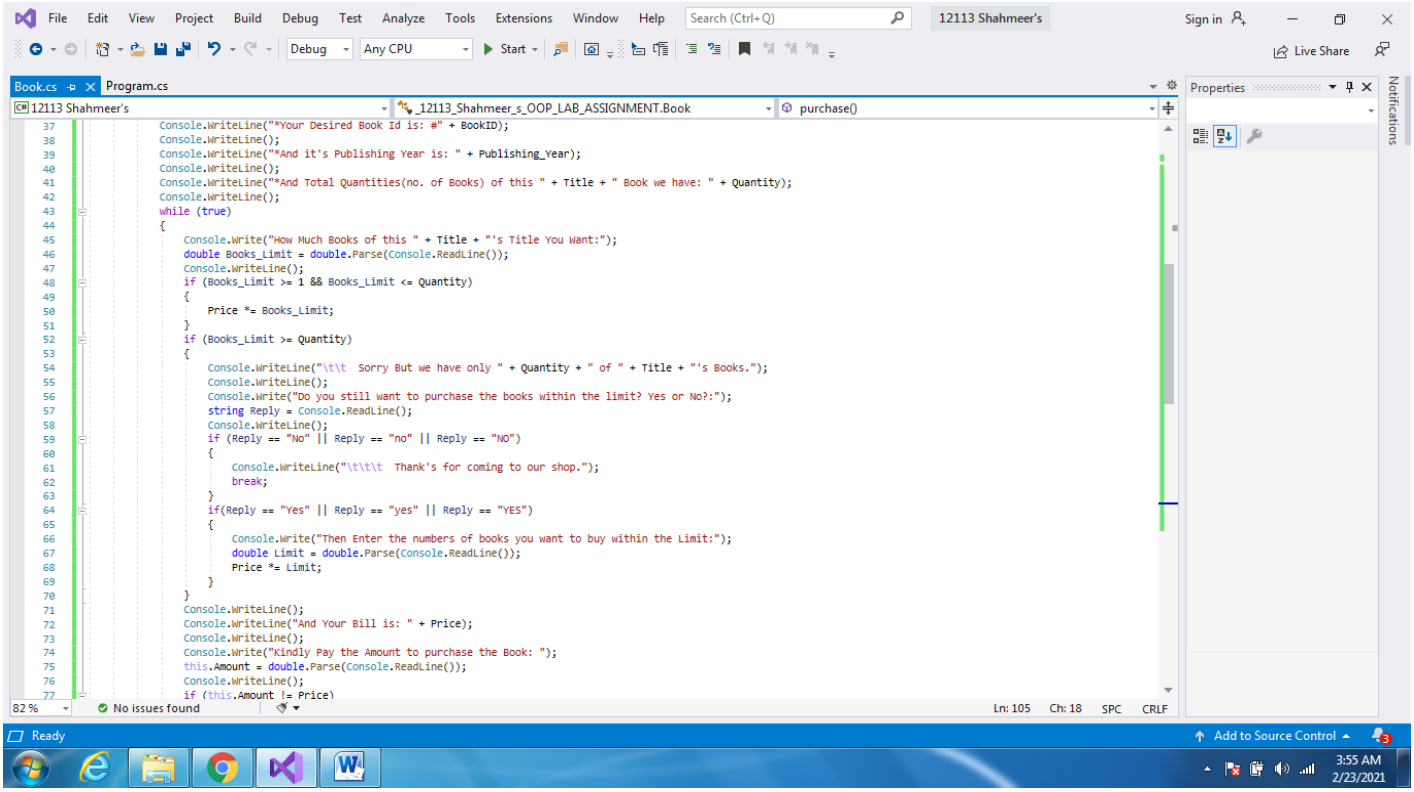
Book.cs(Class):

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT
{
    class Book
    {
        public double Price = 12113;
        public double BookID = 0;
        public string Author;
        public string Title;
        public double Amount;
        public double Publishing_Year = 0;
        public double Quantity = 0;
        public Book()
        {
            Console.Write("Enter Title of the book you want: ");
            this.Title = Console.ReadLine();
            Console.WriteLine();
            Console.Write("Enter Author's Name of the Book: ");
            this.Author = Console.ReadLine();
            Console.WriteLine("\n");
        }
        public void purchase()
        {
            Console.WriteLine();
            Random BookId = new Random();
            this.BookID += BookId.Next();
            Random Publishing_year = new Random();
            this.Publishing_Year += Publishing_year.Next(1600, 2020);
            Random quantity = new Random();
            this.Quantity += quantity.Next(1, 20);
            Console.WriteLine();
            Console.WriteLine("*Your Desired Book Id is: #" + BookID);
            Console.WriteLine();
            Console.WriteLine("*And it's Publishing Year is: " + Publishing_Year);
            Console.WriteLine();
            Console.WriteLine("*And Total Quantities(no. of Books) of this " + Title + "
Book we have: " + Quantity);
            Console.WriteLine();
            while (true)
            {
                Console.Write("How Much Books of this " + Title + "'s Title You Want:");
                double Books_Limit = double.Parse(Console.ReadLine());
                Console.WriteLine();
```

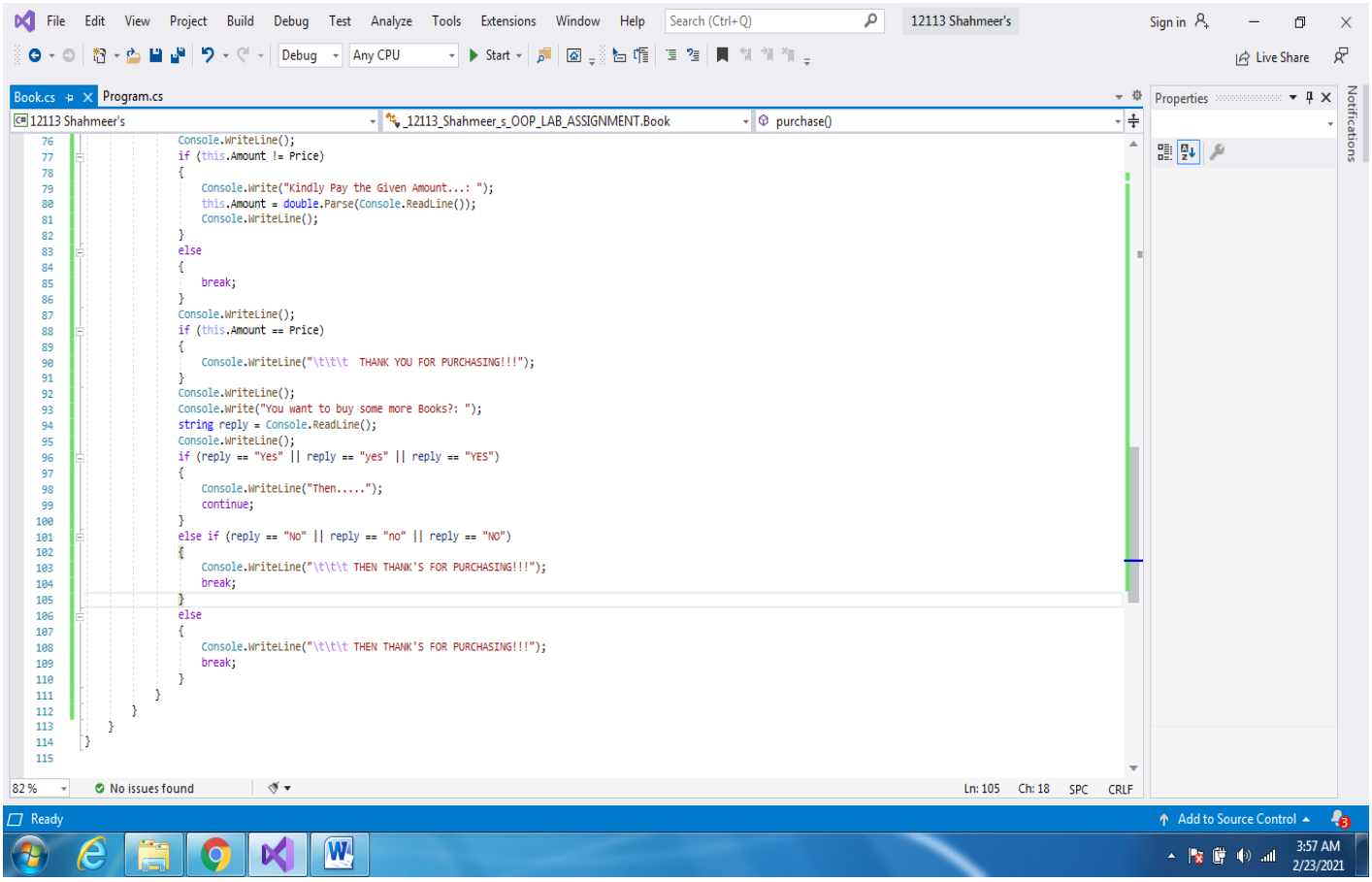
```
                if (Books_Limit >= 1 && Books_Limit <= Quantity)
                {
                    Price *= Books_Limit;
                }
                if (Books_Limit >= Quantity)
                {
                    Console.WriteLine("\t\t  Sorry But we have only " + Quantity + " of "
+ Title + "'s Books.");
                    Console.WriteLine();
                    Console.Write("Do you still want to purchase the books within the
limit? Yes or No?:");
                    string Reply = Console.ReadLine();
                    Console.WriteLine();
                    if (Reply == "No" || Reply == "no" || Reply == "NO")
                    {
                        Console.WriteLine("\t\t\t  Thank's for coming to our shop.");
                        break;
                    }
                    if(Reply == "Yes" || Reply == "yes" || Reply == "YES")
                    {
                        Console.Write("Then Enter the numbers of books you want to buy
within the Limit:");
                        double Limit = double.Parse(Console.ReadLine());
                        Price *= Limit;
                    }
                }
                Console.WriteLine();
                Console.WriteLine("And Your Bill is: " + Price);
                Console.WriteLine();
                Console.Write("Kindly Pay the Amount to purchase the Book: ");
                this.Amount = double.Parse(Console.ReadLine());
                Console.WriteLine();
                if (this.Amount != Price)
                {
                    Console.Write("Kindly Pay the Given Amount...: ");
                    this.Amount = double.Parse(Console.ReadLine());
                    Console.WriteLine();
                }
                else
                {
                    break;
                }
                Console.WriteLine();
                if (this.Amount == Price)
                {
                    Console.WriteLine("\t\t\t  THANK YOU FOR PURCHASING!!!");
                }
                Console.WriteLine();
                Console.Write("You want to buy some more Books?: ");
                string reply = Console.ReadLine();
                Console.WriteLine();
                if (reply == "Yes" || reply == "yes" || reply == "YES")
                {
                    Console.WriteLine("Then.....");
                    continue;
                }
                else if (reply == "No" || reply == "no" || reply == "NO")
                {
```

```
                Console.WriteLine("\t\t\t THEN THANK'S FOR PURCHASING!!!");
                break;
            }
            else
            {
                Console.WriteLine("\t\t\t THEN THANK'S FOR PURCHASING!!!");
                break;
            }
        }
    }
}
```





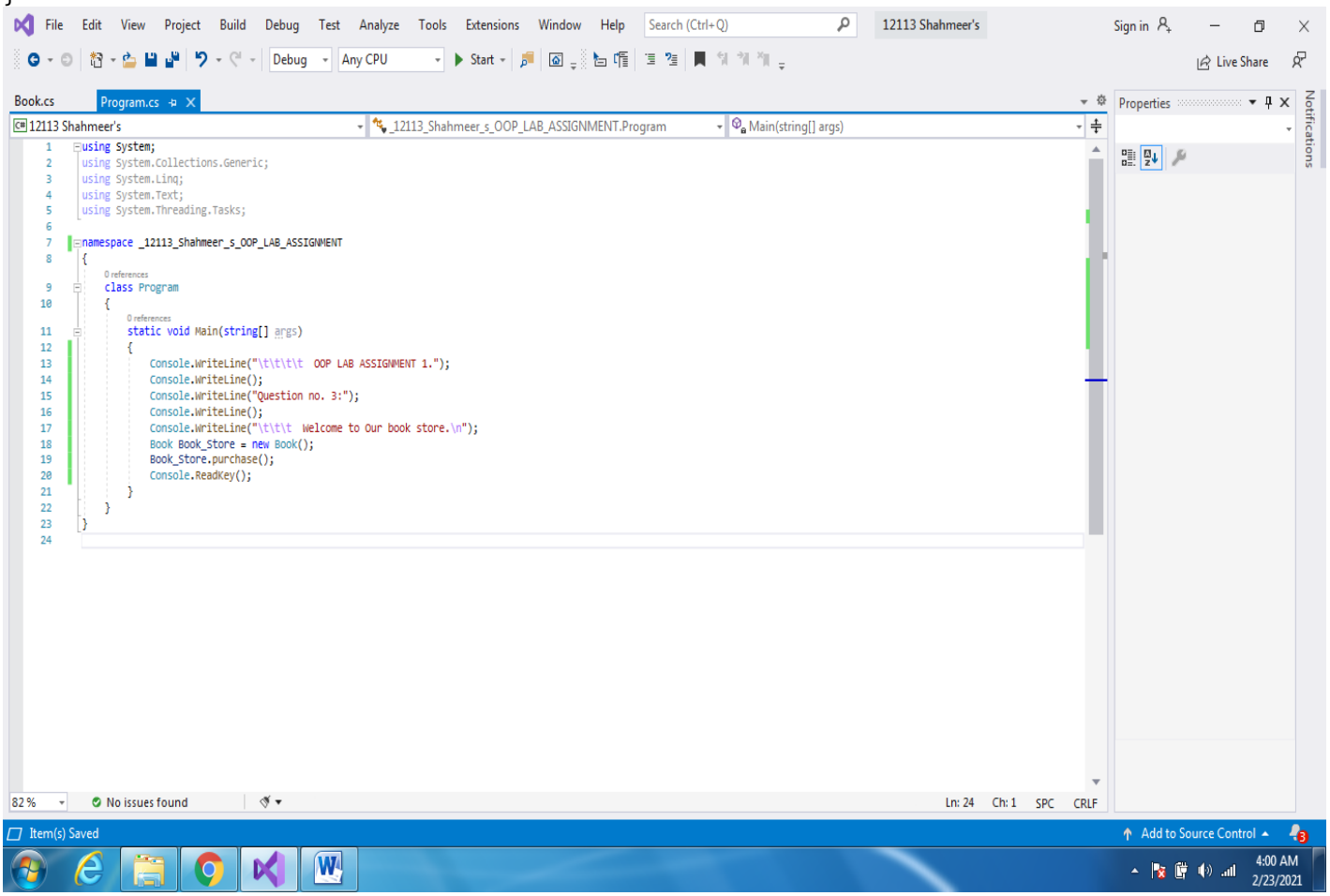
```
            Console.WriteLine("*Your Desired Book Id is: #" + BookID);
            Console.WriteLine();
            Console.WriteLine("*And it's Publishing Year is: " + Publishing_Year);
            Console.WriteLine();
            Console.WriteLine("*And Total Quantities(no. of Books) of this " + Title + " Book we have: " + Quantity);
            Console.WriteLine();
            while (true)
            {
                Console.Write("How Much Books of this " + Title + "'s Title You Want:");
                double Books_Limit = double.Parse(Console.ReadLine());
                Console.WriteLine();
                if (Books_Limit >= 1 && Books_Limit <= Quantity)
                {
                    Price *= Books_Limit;
                }
                if (Books_Limit >= Quantity)
                {
                    Console.WriteLine("\t\t  Sorry But we have only " + Quantity + " of " + Title + "'s Books.");
                    Console.WriteLine();
                    Console.Write("Do you still want to purchase the books within the limit? Yes or No?:");
                    string Reply = Console.ReadLine();
                    Console.WriteLine();
                    if (Reply == "No" || Reply == "no" || Reply == "NO")
                    {
                        Console.WriteLine("\t\t\t  Thank's for coming to our shop.");
                        break;
                    }
                    if(Reply == "Yes" || Reply == "yes" || Reply == "YES")
                    {
                        Console.Write("Then Enter the numbers of books you want to buy within the Limit:");
                        double Limit = double.Parse(Console.ReadLine());
                        Price *= Limit;
                    }
                }
                Console.WriteLine();
                Console.WriteLine("And Your Bill is: " + Price);
                Console.WriteLine();
                Console.Write("Kindly Pay the Amount to purchase the Book: ");
                this.Amount = double.Parse(Console.ReadLine());
                Console.WriteLine();
                if (this.Amount != Price)
```



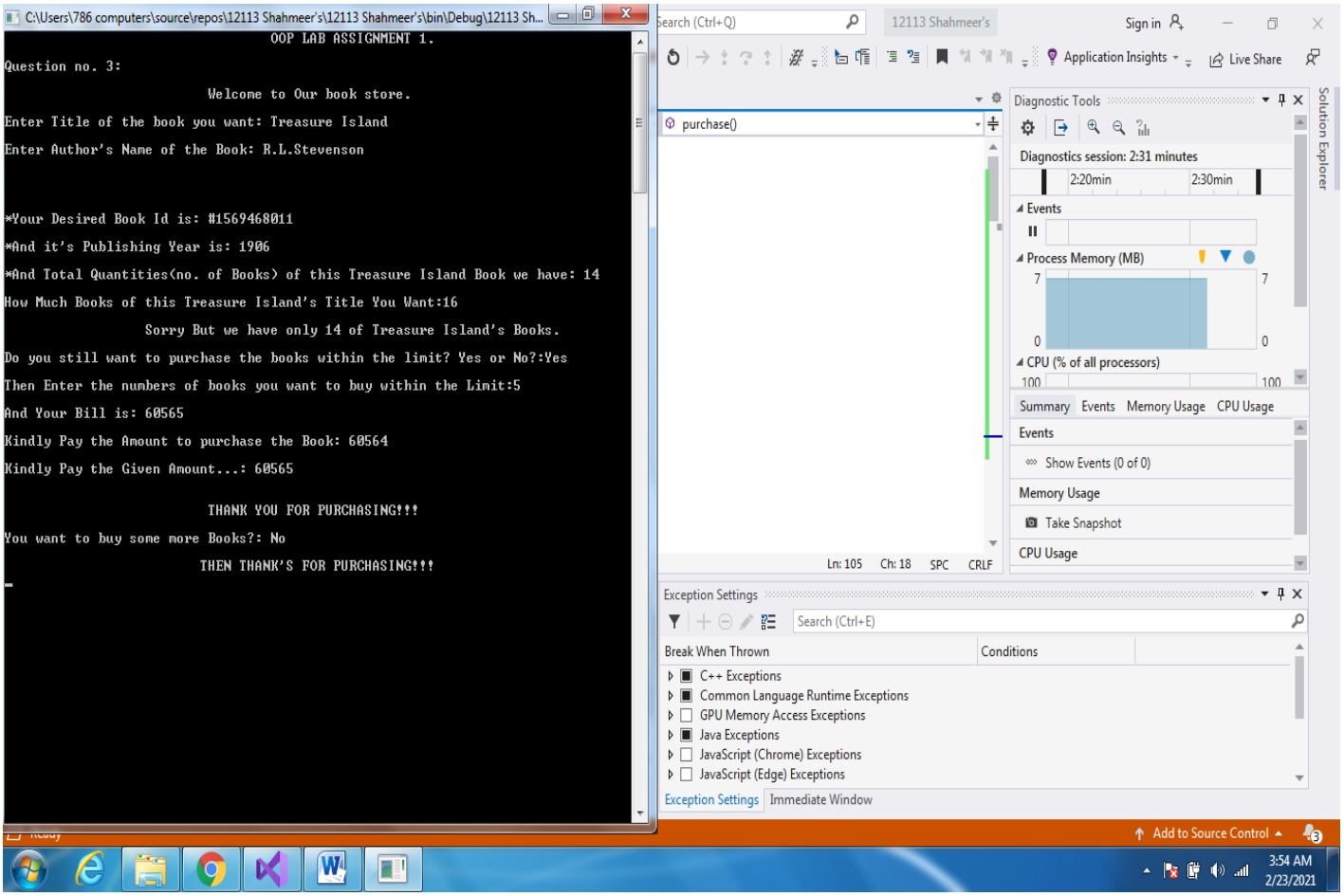
```
                Console.WriteLine();
                if (this.Amount != Price)
                {
                    Console.Write("Kindly Pay the Given Amount...: ");
                    this.Amount = double.Parse(Console.ReadLine());
                    Console.WriteLine();
                }
                else
                {
                    break;
                }
                Console.WriteLine();
                if (this.Amount == Price)
                {
                    Console.WriteLine("\t\t\t  THANK YOU FOR PURCHASING!!!");
                }
                Console.WriteLine();
                Console.Write("You want to buy some more Books?: ");
                string reply = Console.ReadLine();
                Console.WriteLine();
                if (reply == "Yes" || reply == "yes" || reply == "YES")
                {
                    Console.WriteLine("Then.....");
                    continue;
                }
                else if (reply == "No" || reply == "no" || reply == "NO")
                {
                    Console.WriteLine("\t\t\t THEN THANK'S FOR PURCHASING!!!");
                    break;
                }
                else
                {
                    Console.WriteLine("\t\t\t THEN THANK'S FOR PURCHASING!!!");
                    break;
                }
            }
        }
    }
}
```

Program.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace _12113_Shahmeer_s_OOP_LAB_ASSIGNMENT
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("\t\t\t\t  OOP LAB ASSIGNMENT 1.");
            Console.WriteLine();
            Console.WriteLine("Question no. 3:");
            Console.WriteLine();
            Console.WriteLine("\t\t\t  Welcome to Our book store.\n");
            Book Book_Store = new Book();
            Book_Store.purchase();
            Console.ReadKey();
        }
    }
}
```



Output:


C:\Users\786 computers\source\repos\12113 Shahmeer's\12113 Shahmeer's\bin\Debug\12113 Sh...
OOP LAB ASSIGNMENT 1.
Question no. 3:
Welcome to Our book store.
Enter Title of the book you want: Treasure Island
Enter Author's Name of the Book: R.L.Stevenson
*Your Desired Book Id is: #1569468011
*And it's Publishing Year is: 1906
*And Total Quantities(no. of Books) of this Treasure Island Book we have: 14
How Much Books of this Treasure Island's Title You Want:16
Sorry But we have only 14 of Treasure Island's Books.
Do you still want to purchase the books within the limit? Yes or No?:Yes
Then Enter the numbers of books you want to buy within the Limit:5
And Your Bill is: 60565
Kindly Pay the Amount to purchase the Book: 60564
Kindly Pay the Given Amount...: 60565
THANK YOU FOR PURCHASING!!!
You want to buy some more Books?: No
THEN THANK'S FOR PURCHASING!!!
Search (Ctrl+Q)
12113 Shahmeer's
Sign in
Application Insights
Live Share
purchase()
Diagnostic Tools
Diagnostics session: 2:31 minutes
2:20min
2:30min
Events
Process Memory (MB)
CPU (% of all processors)
Summary
Events
Memory Usage
CPU Usage
Show Events (0 of 0)
Take Snapshot
Ln: 105
Ch: 18
SPC
CRLF
Exception Settings
Search (Ctrl+E)
Break When Thrown
Conditions
C++ Exceptions
Common Language Runtime Exceptions
GPU Memory Access Exceptions
Java Exceptions
JavaScript (Chrome) Exceptions
JavaScript (Edge) Exceptions
Exception Settings
Immediate Window
Add to Source Control
3:54 AM
2/23/2021

==========

==========

==========