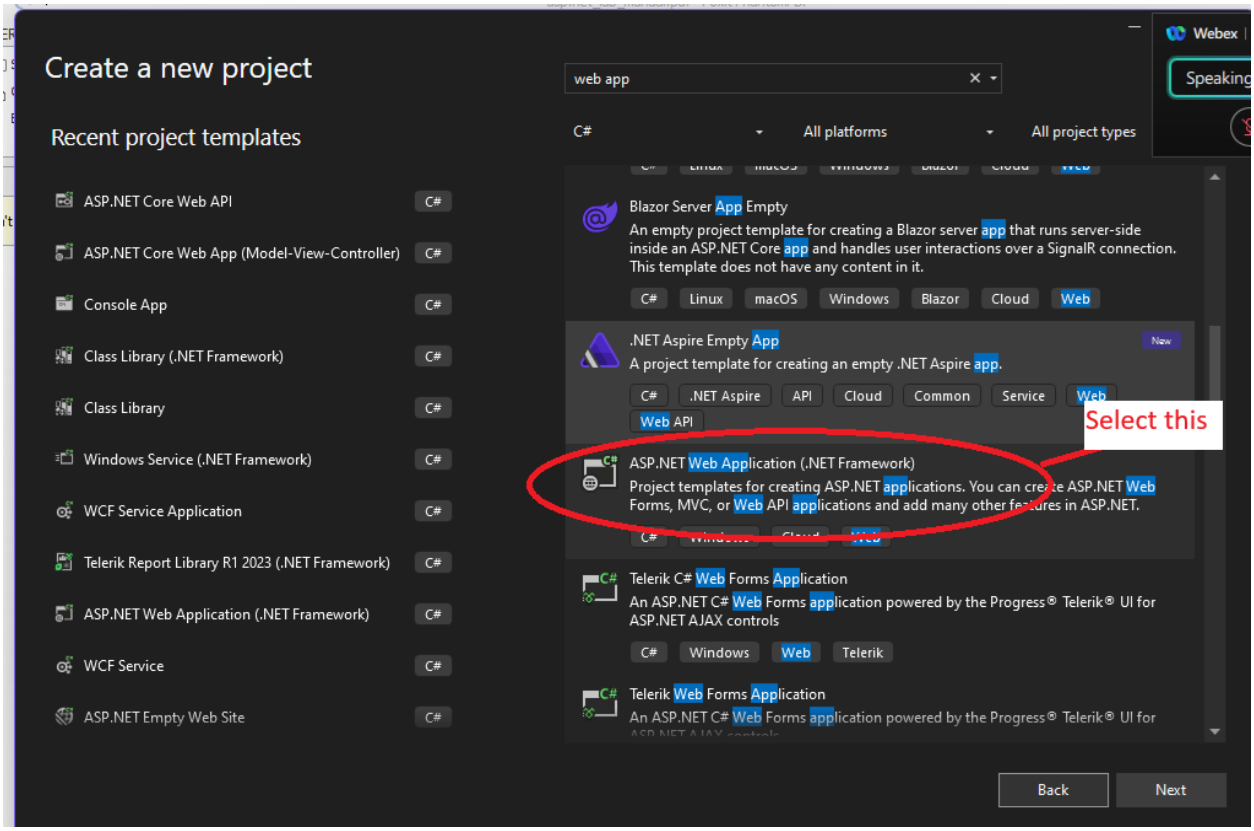
# ASP.NET – LAB-4

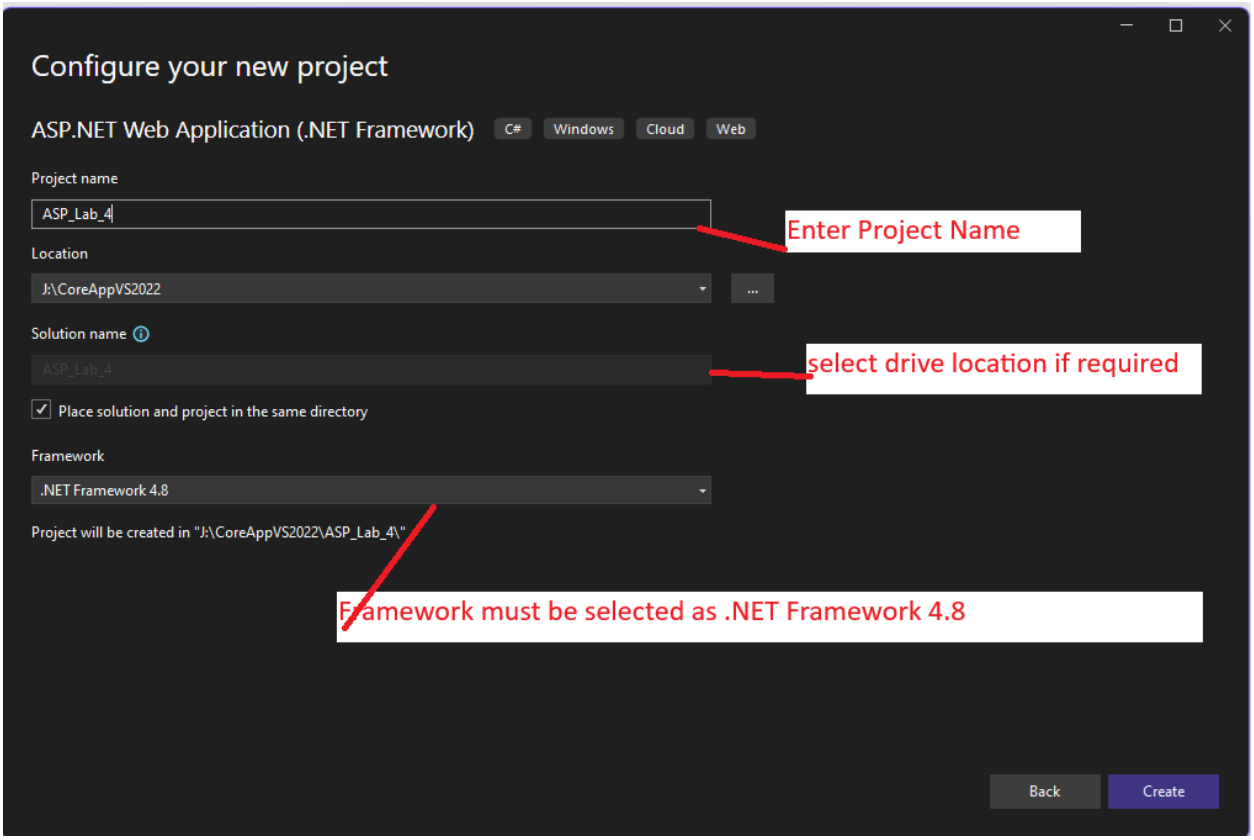
| | |
|---|---|
| Title | Write a program to generate the factorial operation |
| Objective | To calculate factorial of number |
| Algorithm | |
| Sample Output | |

Step-1: Open VS-2022 and click on Create a new project and select ASP.NET Web Application (.NET Framework) and click Next



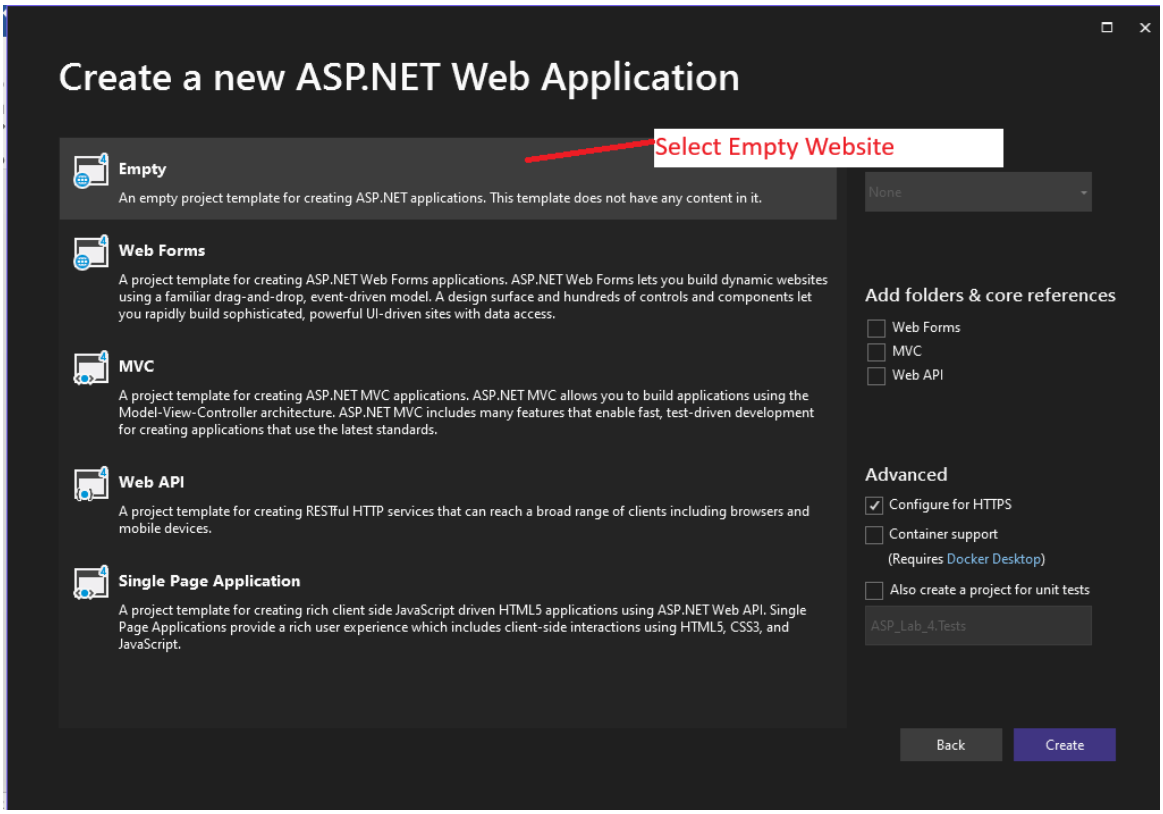
Step-2:

Enter project name, select drive where you would like to save your files if required, and select framework must be selected as .NET Framework 4.8 then click on Create button



Step 3:

Select first option named as Empty and click on Create button

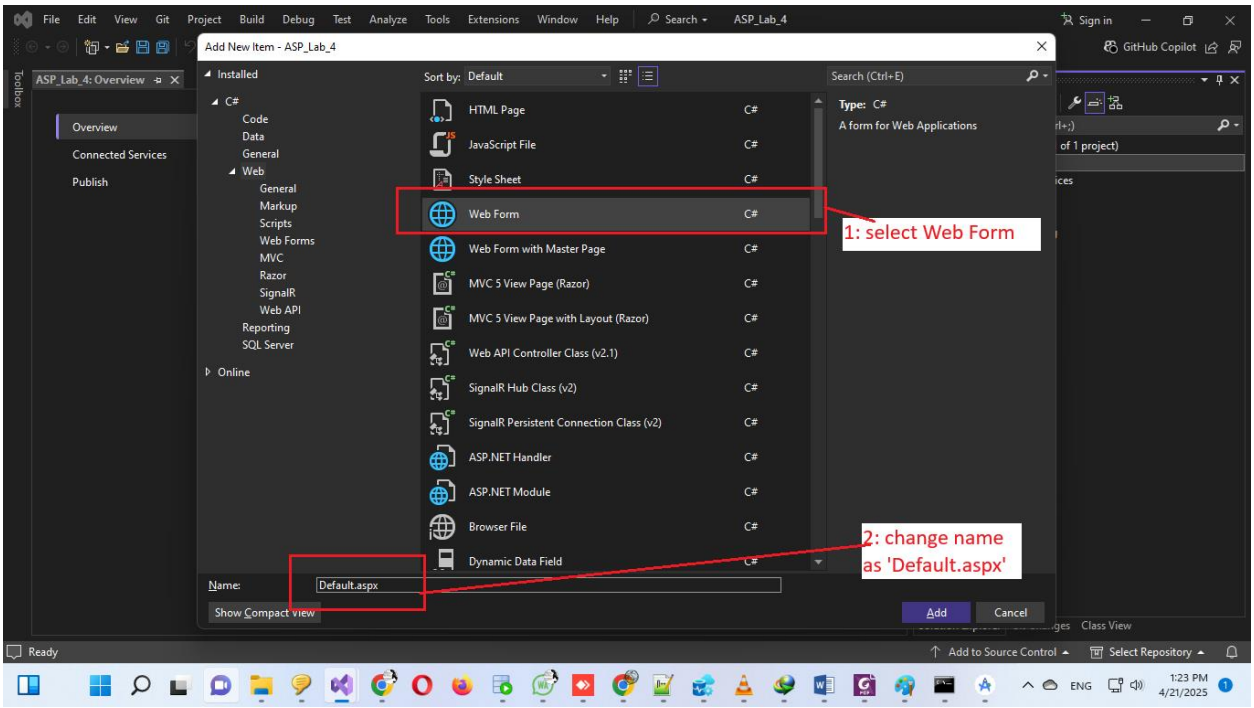



Step 4:

To Create a web form right-click on Project Name in our case its ASP_Lab_4, select option ‘Add’ then select ‘New Item’

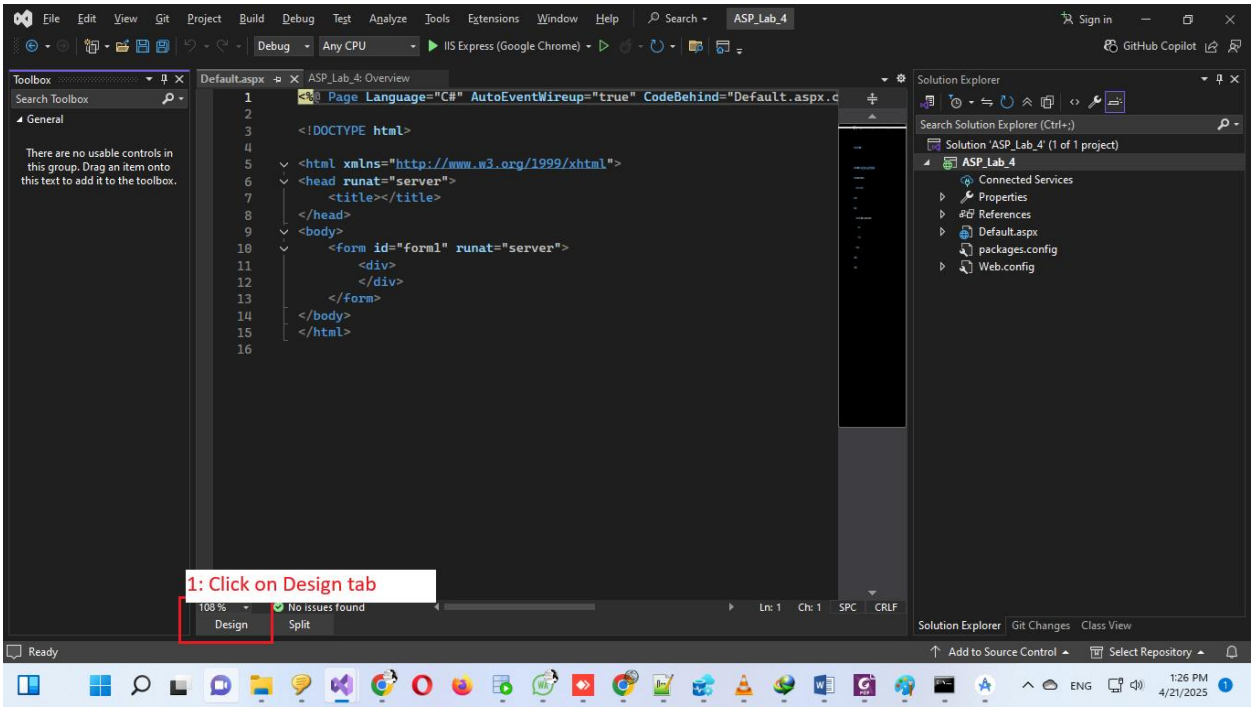
Step 5:

Select ‘web form’ and change Name as ‘Default.aspx’ and click Add button




Step 6:

Click on Design tab and start designing as explained in the Class/Lab



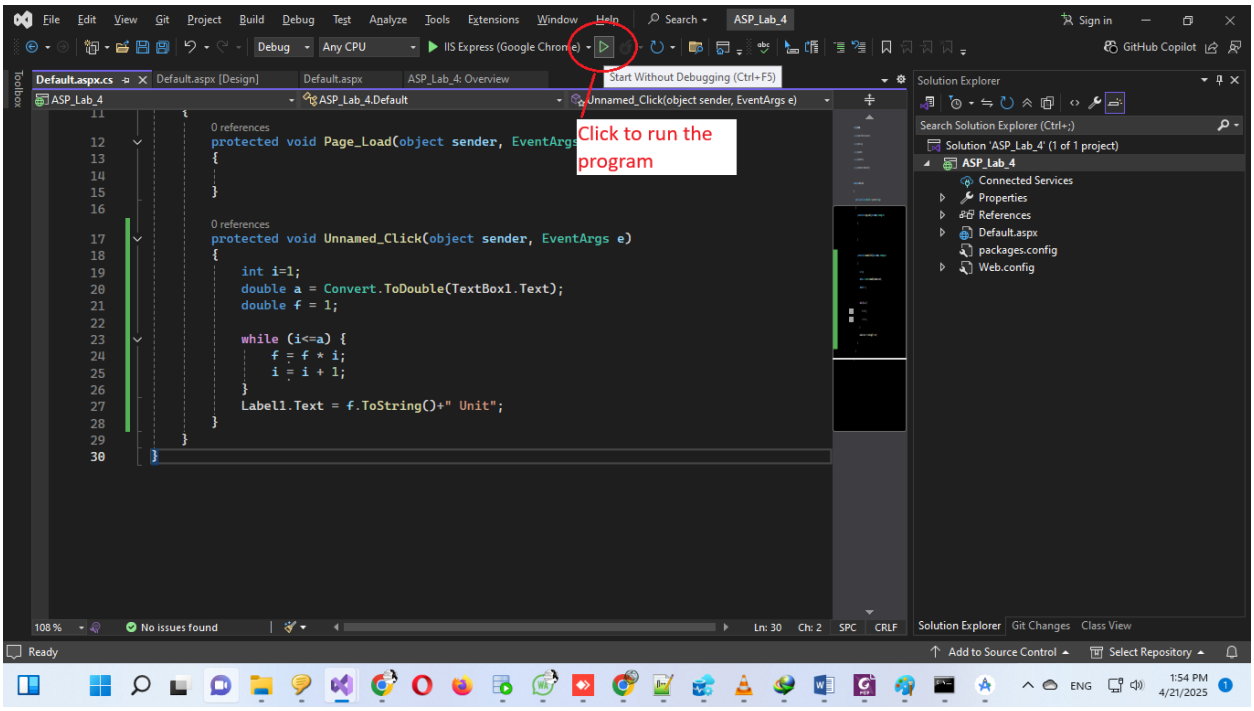
Step 7:

Try to Design the Web-Form like given below:


Step 8: after completing the step 7 double click on button “Generate” it will open Code Editor in which write these line:

```
0 references
protected void Unnamed_Click(object sender, EventArgs e)
{
    int i=1;
    double a = Convert.ToDouble(TextBox1.Text);
    double f = 1;

    while (i<=a) {
        f = f * i;
        i = i + 1;
    }
    Label1.Text = f.ToString()+" Unit";
}
```

Step 9: save the program and run the program by clicking on Green Play button



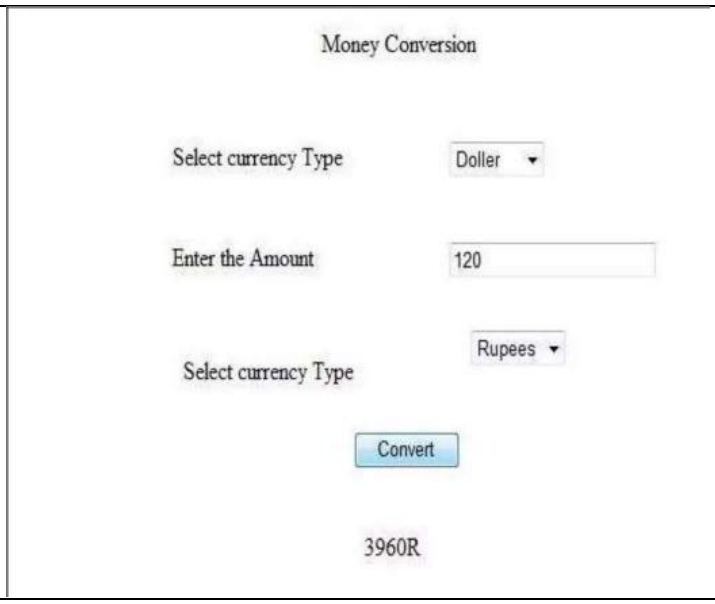

If your program runs successfully then Congratulation you made first program successfully.

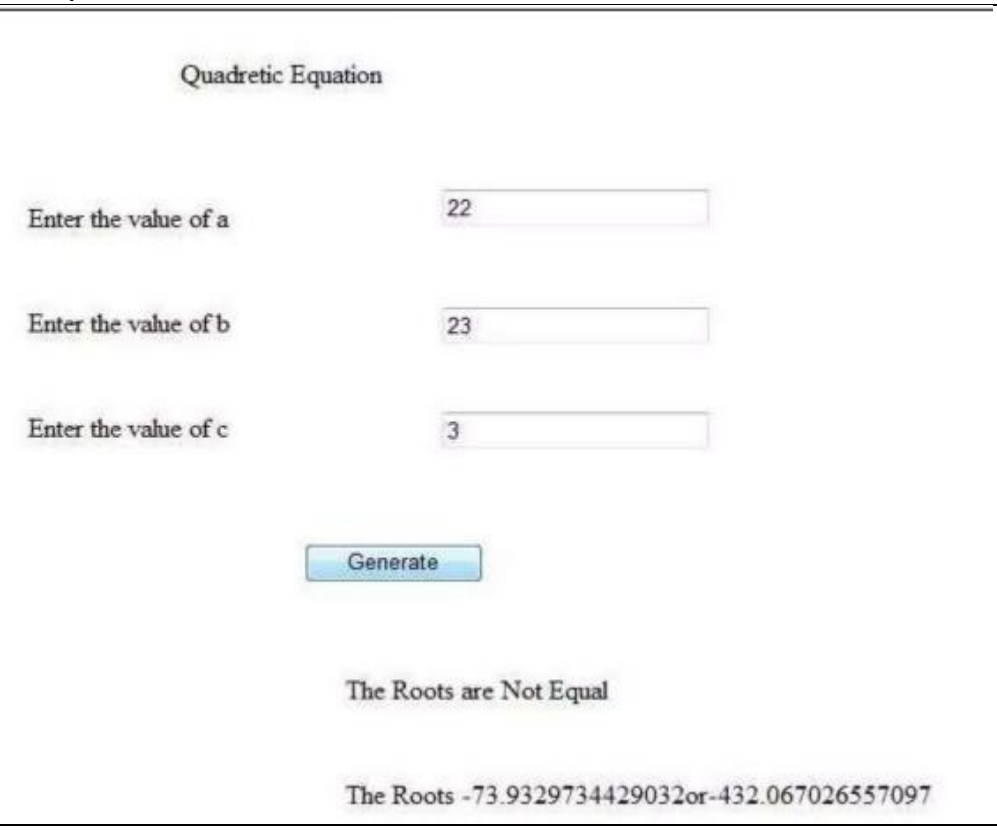
Now try to make other given programs

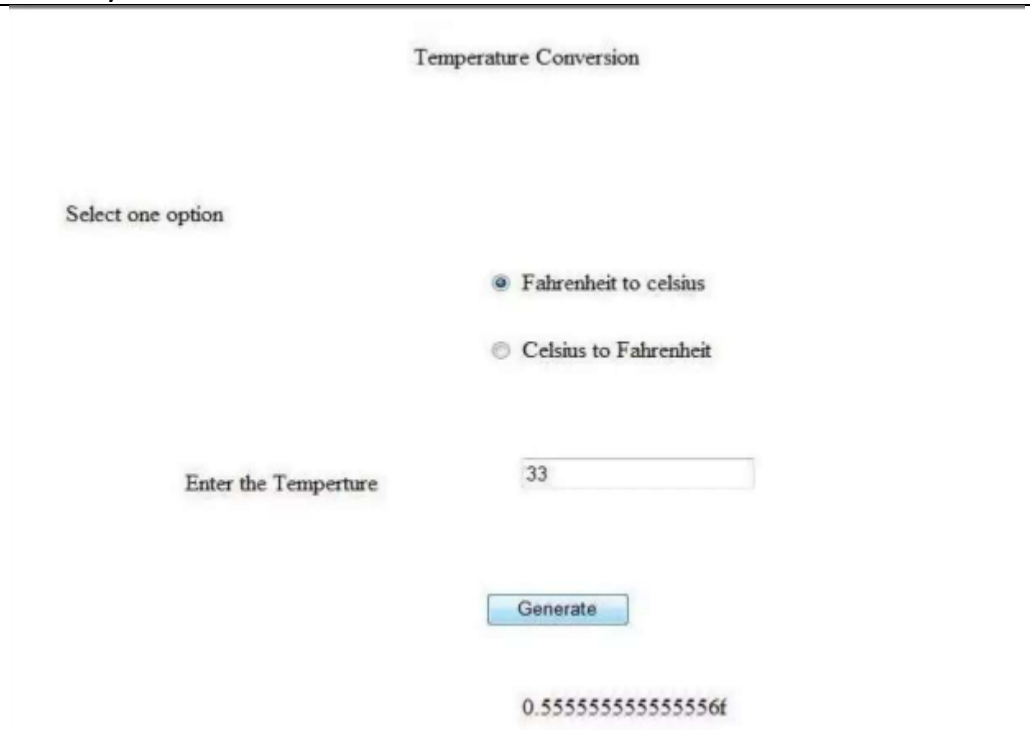
| Program - 1 | |
|---|---|
| Title | Write a program to perform Money Conversion |
| Objective | To convert money from one currency to another |
| Algorithm | |

```
protected void Button1_Click(object sender, EventArgs e)
 {
     Double a = Convert.ToDouble(TextBox1.Text);

     if (DropDownList1.SelectedItem.Value == "Rupees"
         && DropDownList2.SelectedItem.Value == "Doller")
     {
         Label1.Text = (a * 45) + "$";
     }
     else if (DropDownList1.SelectedItem.Value == "Rupees"
         && DropDownList2.SelectedItem.Value == "Zen")
     {
         Label1.Text = (a * 43) + "Z";
     }
     else if (DropDownList1.SelectedItem.Value == "Rupees"
         && DropDownList2.SelectedItem.Value == "Yen")
     {
         Label1.Text = (a * 42) + "Y";
     }
     else if (DropDownList1.SelectedItem.Value == "Doller"
        && DropDownList2.SelectedItem.Value == "Rupees")
     {
         Label1.Text = (a * 33) + "R";
     }
     else if (DropDownList1.SelectedItem.Value == "Doller"
```

```
            && DropDownList2.SelectedItem.Value == "Zen")
        {
            Label1.Text = (a * 32) + "Z";
        }
        else if (DropDownList1.SelectedItem.Value == "Doller"
            && DropDownList2.SelectedItem.Value == "Yen")
        {
            Label1.Text = (a * 31) + "Y";
        }
        else if (DropDownList1.SelectedItem.Value == "Zen"
         && DropDownList2.SelectedItem.Value == "Rupees")
        {
            Label1.Text = (a * 45) + "R";
        }
        else if (DropDownList1.SelectedItem.Value == "Zen"
            && DropDownList2.SelectedItem.Value == "Doller")
        {
            Label1.Text = (a * 46) + "$";
        }
        else if (DropDownList1.SelectedItem.Value == "Zen"
            && DropDownList2.SelectedItem.Value == "Yen")
        {
            Label1.Text = (a * 47) + "Y";
        }
        else if (DropDownList1.SelectedItem.Value == "Yen"
         && DropDownList2.SelectedItem.Value == "Rupees")
        {
            Label1.Text = (a / 34) + "R";
        }
        else if (DropDownList1.SelectedItem.Value == "Yen"
            && DropDownList2.SelectedItem.Value == "Doller")
        {
            Label1.Text = (a / 35) + "$";
        }
        else if (DropDownList1.SelectedItem.Value == "Yen"
            && DropDownList2.SelectedItem.Value == "Zen")
        {
            Label1.Text = (a / 36) + "Z";
        }
        else {
            if (DropDownList1.SelectedItem.Value ==
DropDownList2.SelectedItem.Value)
                Label1.Text = "You have selected same Currency";


        }
    }
```

| | |
|---|---|
| Sample Output |  |

| Program - 2 | |
|---|---|
| Title | Write a Program to generate the Quadratic Equation |
| Objective | To find out roots of quadric equation |
| Algorithm | Write yourself |
| Sample Output |  |

| Program - 3 | |
|---|---|
| Title | Write a Program to generate the Temperature Conversion |
| Objective | To convert temperature from Fahrenheit to Celsius or vice versa |
| Algorithm | Write yourself |
| Sample Output |  |