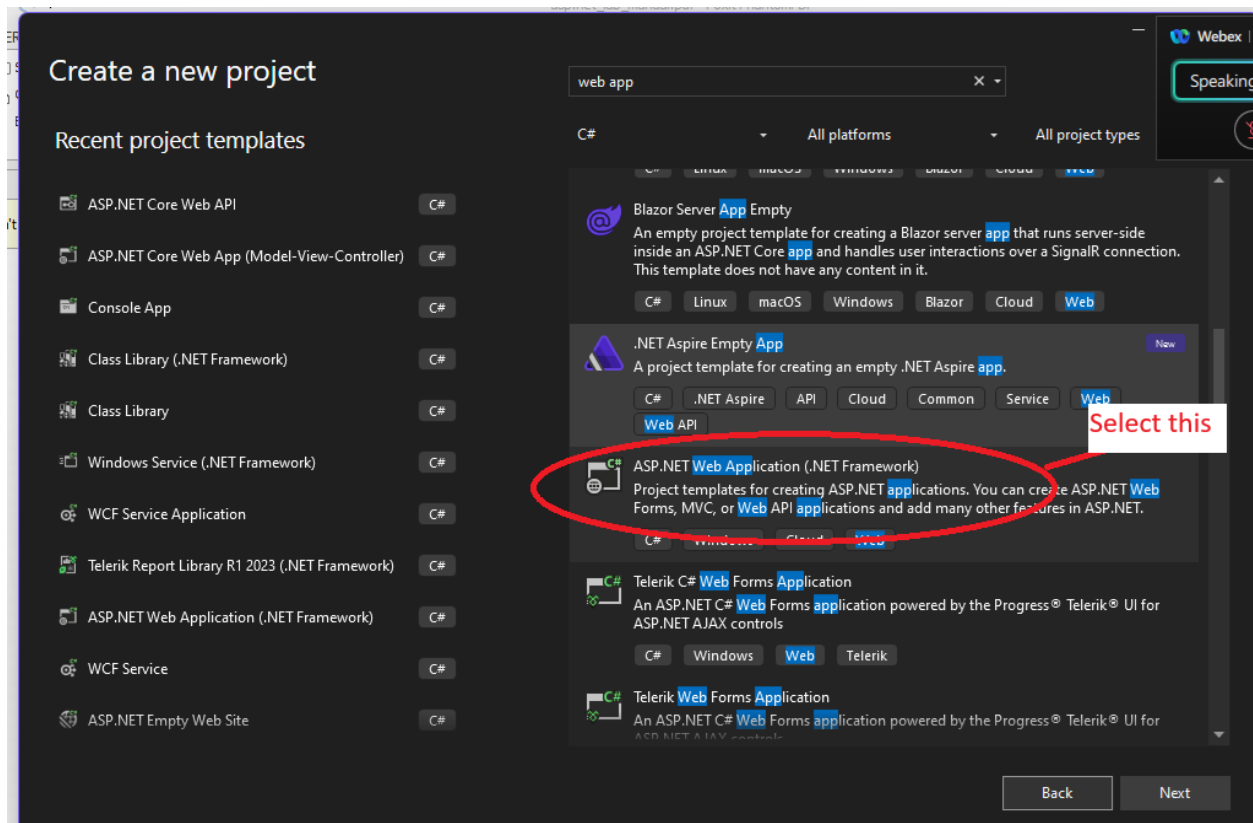


ASP.NET – LAB-4

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

Configure your new project

ASP.NET Web Application (.NET Framework) C# Windows Cloud Web

Project name
ASP_Lab_4

Location
J:\CoreAppVS2022

Solution name ⓘ
ASP_Lab_4

☒ Place solution and project in the same directory

Framework
.NET Framework 4.8

Project will be created in "J:\CoreAppVS2022\ASP_Lab_4\"

Back Create

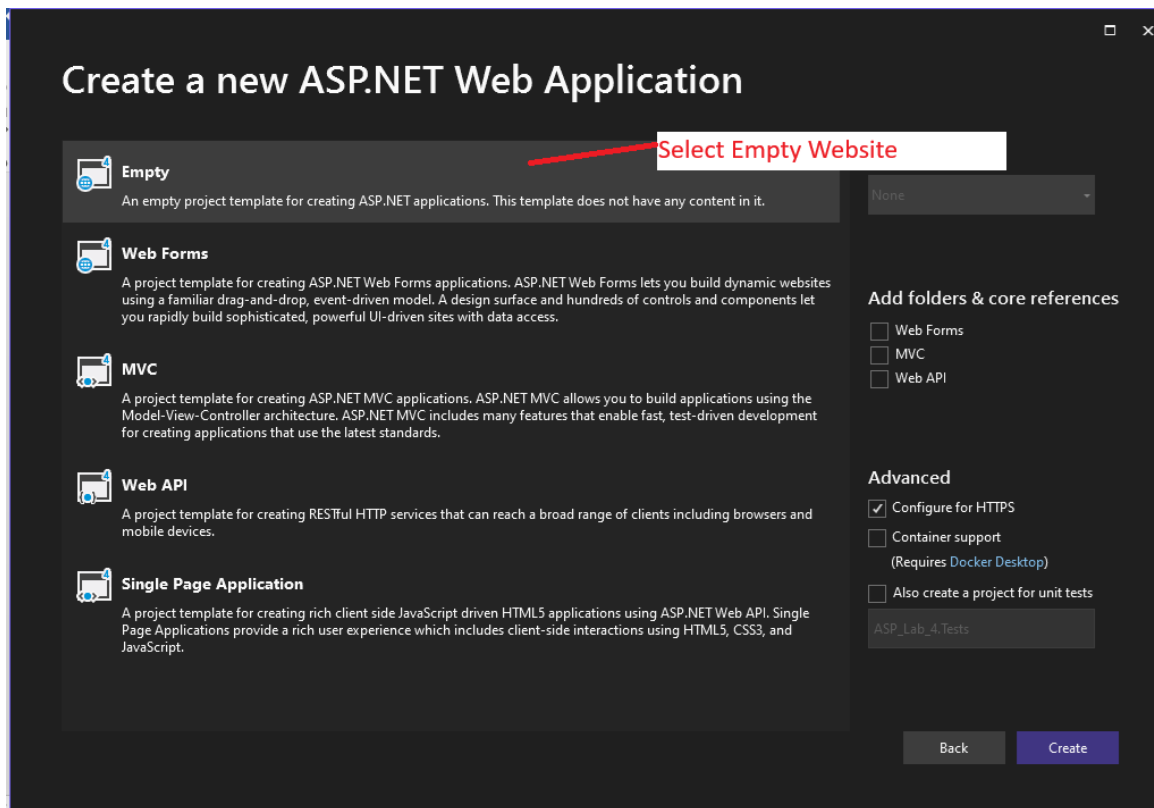
Enter Project Name

select drive location if required

Framework must be selected as .NET Framework 4.8

Step 3:

Select first option named as Empty and click on Create button

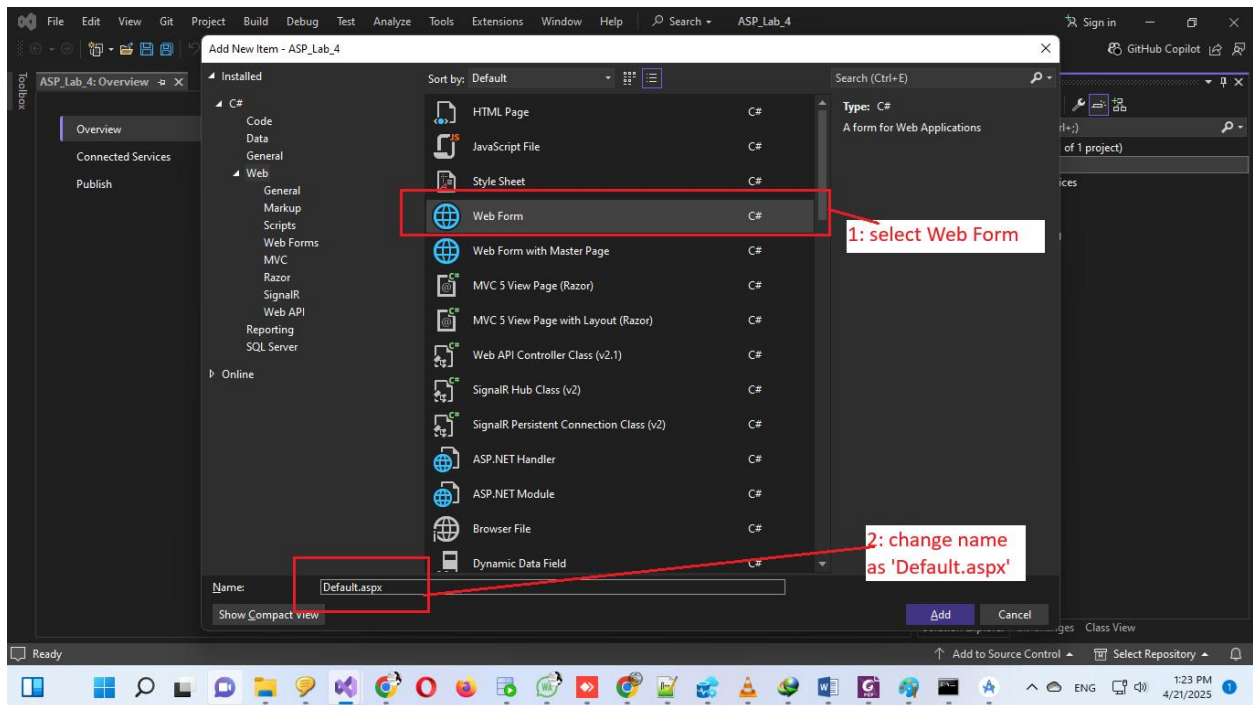


Step 4:

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

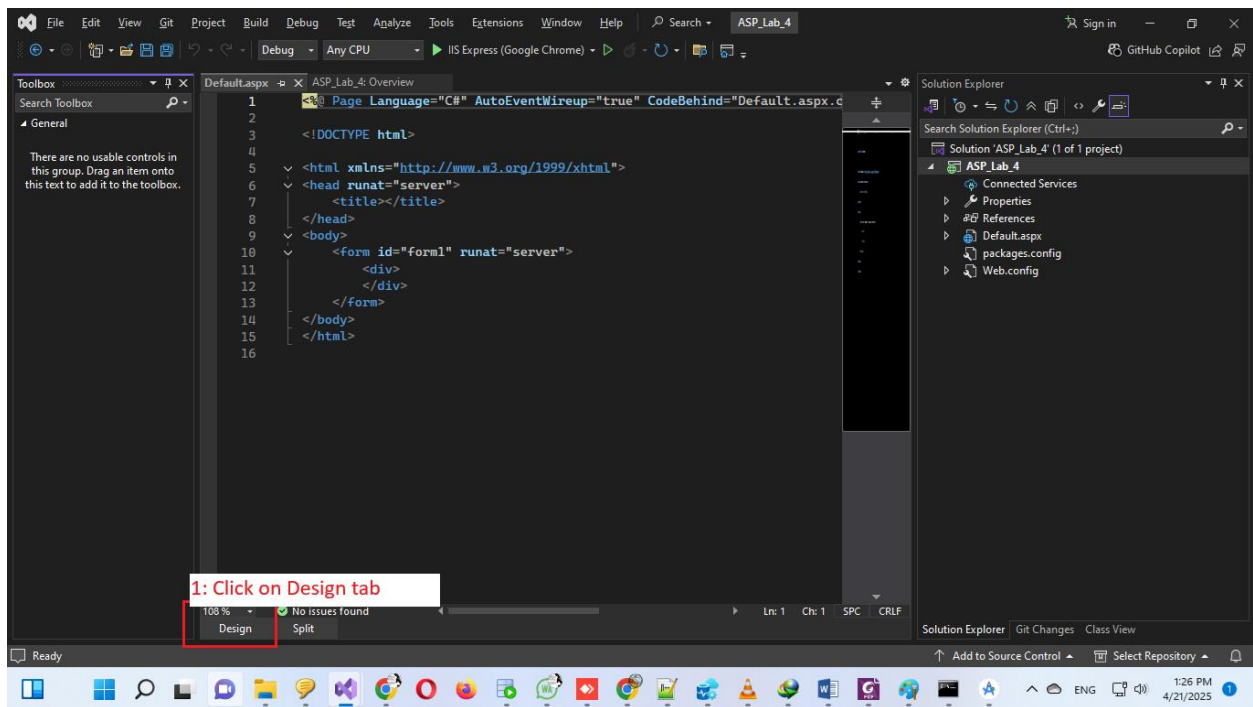
Step 5:

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:



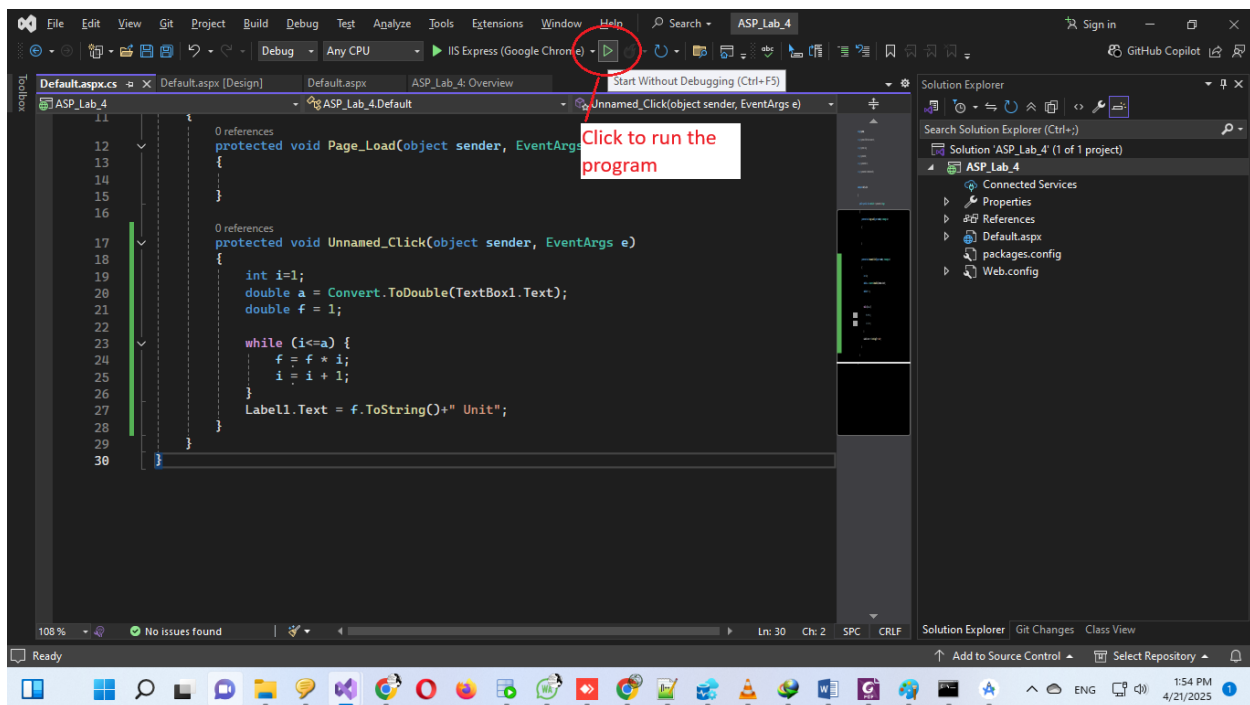
The screenshot shows a web form with a title "Factorial". Below the title, there is a label "Enter the number" followed by a text input box containing the number "5". Below the input box is a blue button labeled "Generate". At the bottom of the form, there is a label displaying the result "120unit".

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	<pre> 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" </pre>


```

        && 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	<div> <div>Money Conversion</div> <div> <div>Select currency Type</div> <div>Doller ▾</div> </div> <div> <div>Enter the Amount</div> <div>120</div> </div> <div> <div>Select currency Type</div> <div>Rupees ▾</div> </div> <div> <div>Convert</div> </div> <div>3960R</div> </div>
---------------	---

Program - 2	
Title	Write a Program to generate the Quadratic Equation
Objective	To find out roots of quadric equation
Algorithm	Write yourself
Sample Output	<div> <div>Quadretic Equation</div> <div> <div>Enter the value of a</div> <div>22</div> </div> <div> <div>Enter the value of b</div> <div>23</div> </div> <div> <div>Enter the value of c</div> <div>3</div> </div> <div> <div>Generate</div> </div> <div>The Roots are Not Equal</div> <div>The Roots -73.9329734429032or-432.067026557097</div> </div>

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	 <p>Temperature Conversion</p> <p>Select one option</p> <p><input checked="" type="radio"/> Fahrenheit to celsius</p> <p><input type="radio"/> Celsius to Fahrenheit</p> <p>Enter the Temperture <input type="text" value="33"/></p> <p>Generate</p> <p>0.5555555555555556f</p>