2022

ASSIGNMENT 21

C# PROGRAMING

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NATIONS BENIFITS
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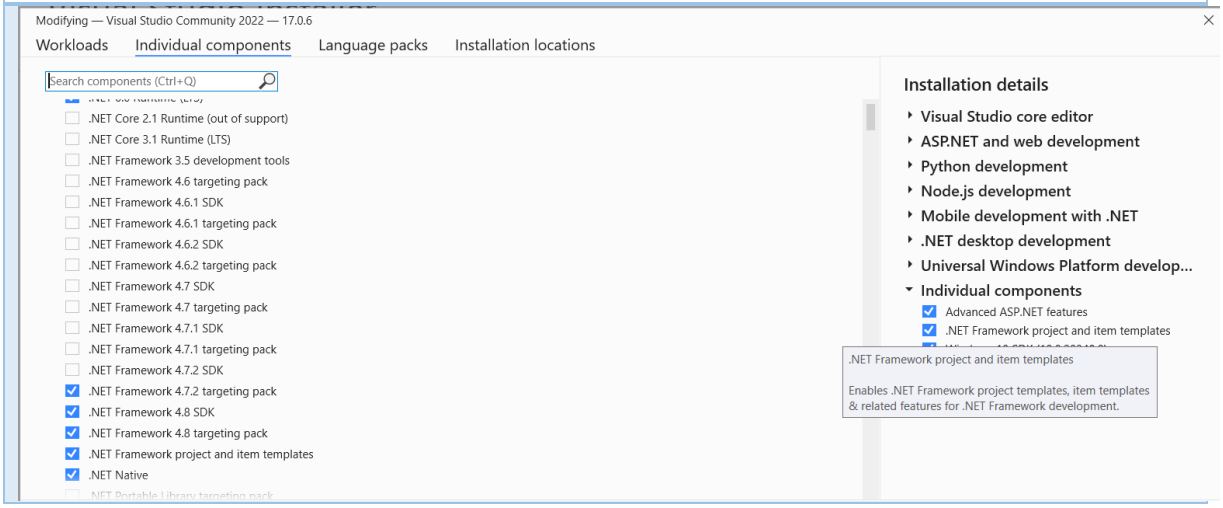
Q. Update Screen shot



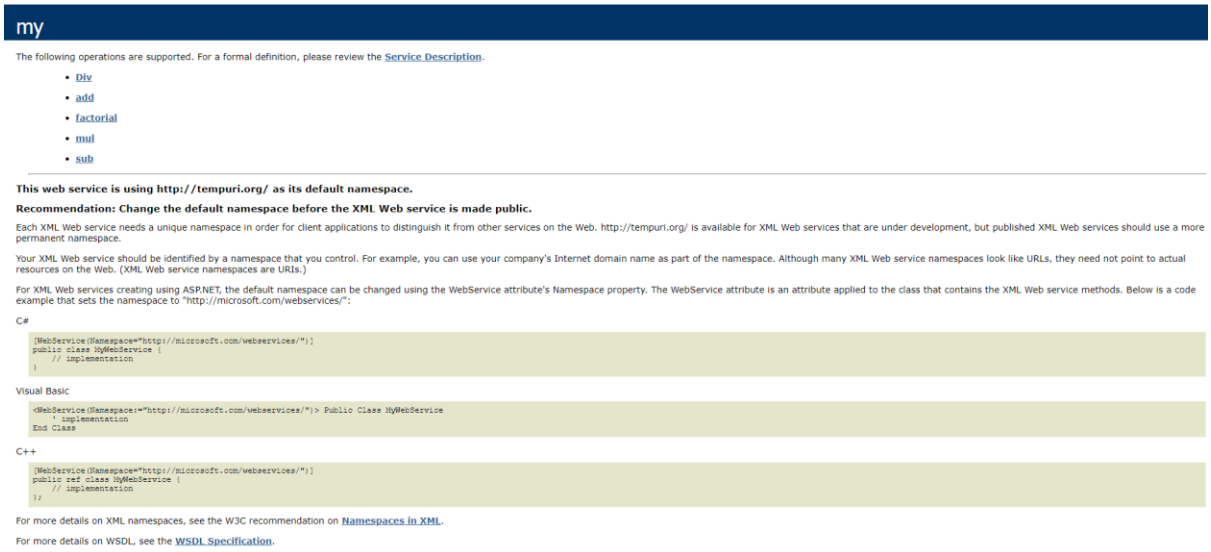
Q. Create web service Application.

CODE:

```
public class my : System.Web.Services.WebService
    {

        [WebMethod]
        public int factorial(int n)
        {
            int fact = 1, i;
            for(i = 1; i < n+1; i++)
            {
                fact *= i;
            }
            return fact;
        }
        [WebMethod]
        public int add(int a, int b)
        {
            return a + b;
        }
        [WebMethod]
        public int sub(int a, int b)
        {
            return a - b;
        }
        [WebMethod]
        public int mul(int a,int b)
        {
            return a * b;
        }
        [WebMethod]
        public int Div(int a, int b)
        {
            return a / b;
        }
    }
```

OUTPUT:

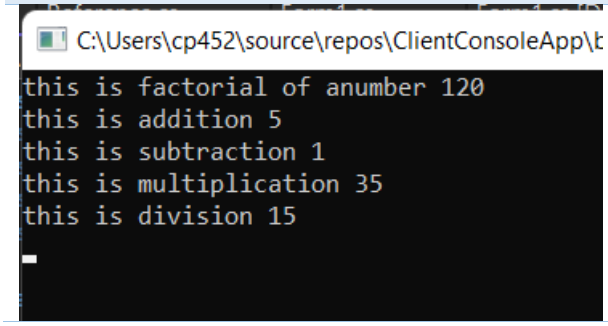


Q. Client Console Application

CODE:

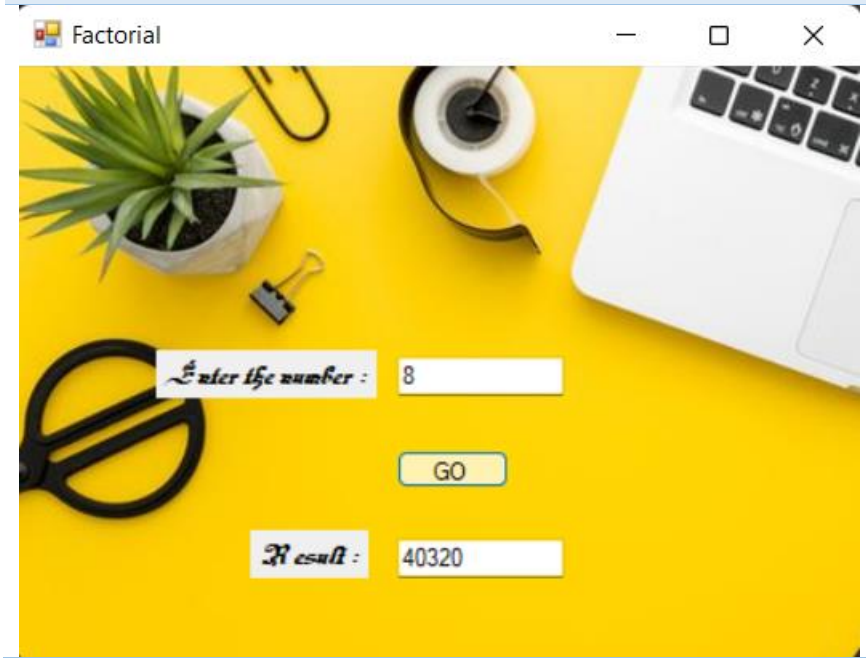
```
internal class Program
    {
        static void Main(string[] args)
        {
            mySoapClient obj = new mySoapClient();
            Console.WriteLine($"this is factorial of anumber
{obj.factorial(5)}");
            Console.WriteLine($"this is addition {obj.add(2,3)}");
            Console.WriteLine($"this is subtraction {obj.sub(5,4)}");
            Console.WriteLine($"this is multiplication {obj.mul(5,7)}");
            Console.WriteLine($"this is division {obj.Div(45,3)}");
            Console.ReadLine();
        }
    }
```

OUTPUT:



Q.WEB FORMS APPLICATION

CODE

```
private void button1_Click(object sender, EventArgs e)
        {
            int N = int.Parse(textBox1.Text);
            mySoapClient obj1 = new mySoapClient();
            textBox2.Text = obj1.factorial(5).ToString();
        }
```

OUTPUT