

KUNAL\_SUROSHE-36

LAB EXAM

MS.Net Technologies

Total Marks: 20 Time: 2 hours

Github Link - <https://github.com/kunal-suroshe/LabExam.Net>

1. Write a program to check whether a number given as input is divisible by the sum of its digits.

Write a C# program that takes a number as input and displays a rectangle of 3 columns wide and 5 rows tall using that digit.

Test Data:

Enter a number: 5

Expected Output:

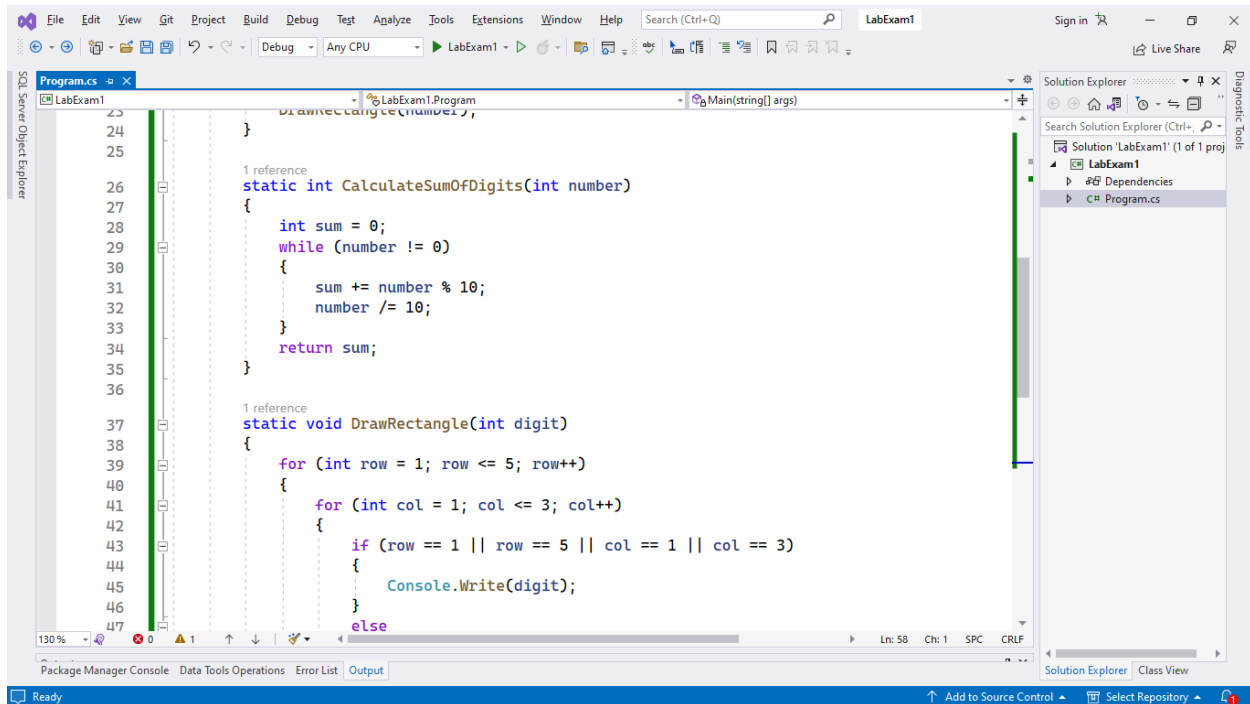
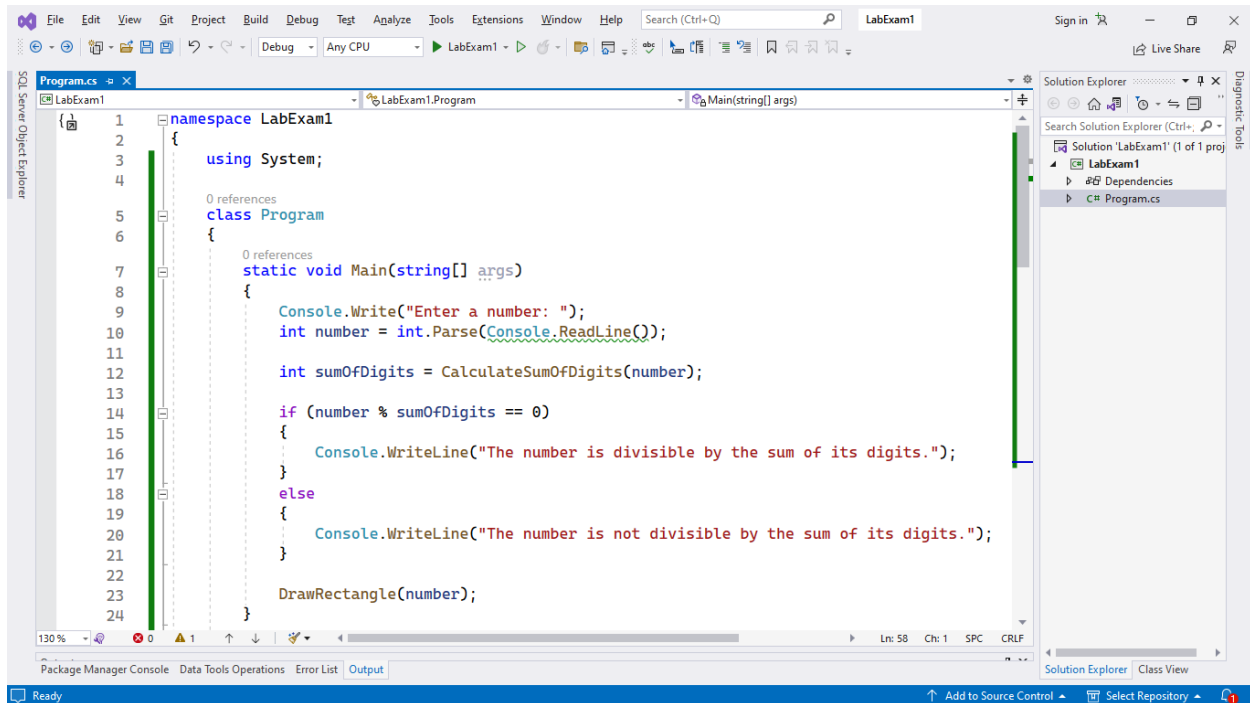
555

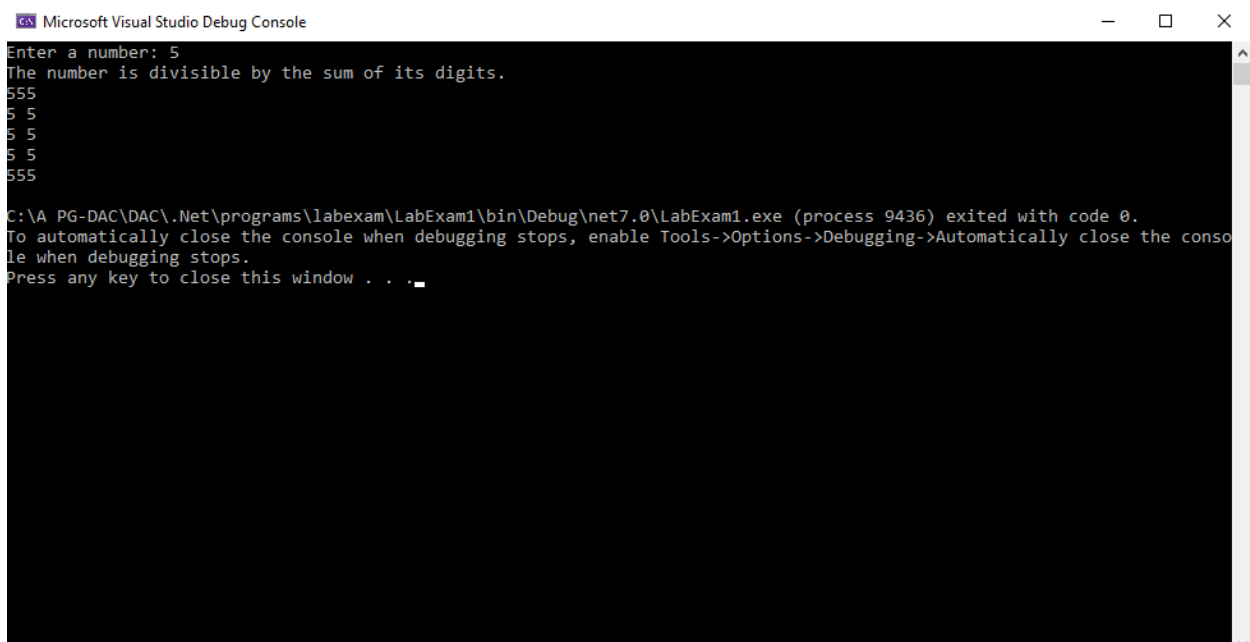
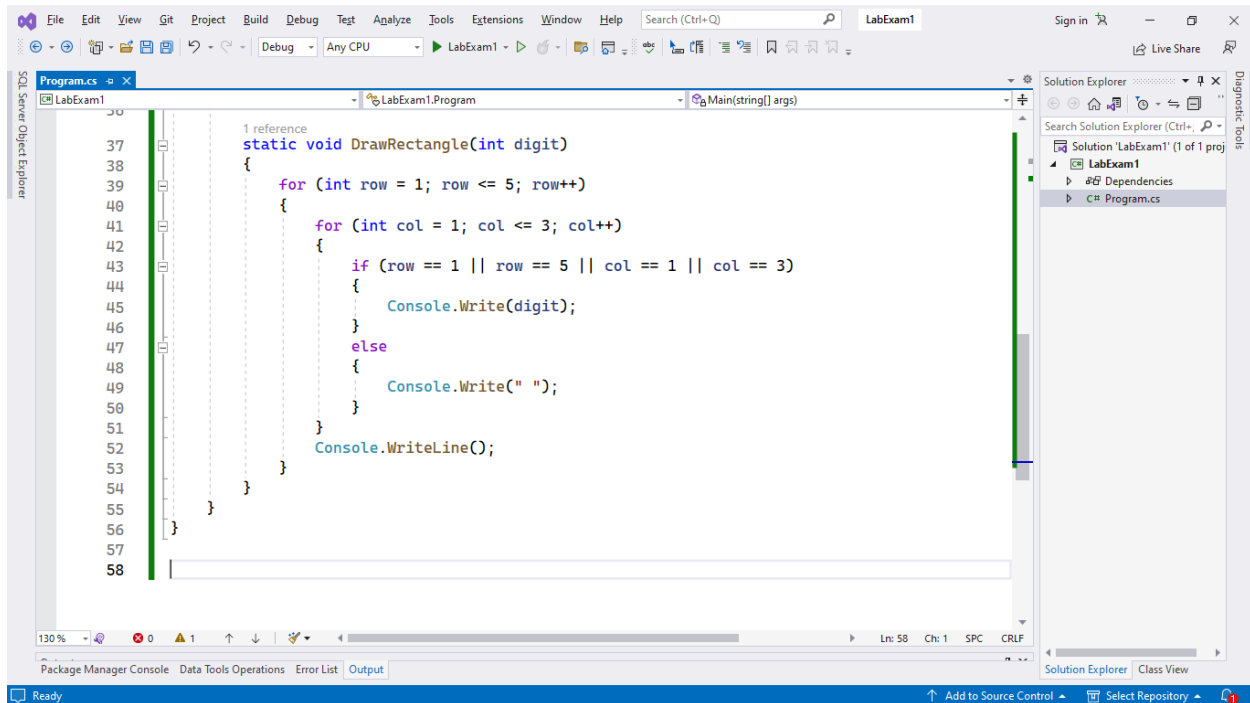
5 5

5 5

5 5

555





2. Create a MVC program for calculating the temperature in Fahrenheit when the temperature is given in Celsius. Display the output using ViewBag.

```
1 using Microsoft.AspNetCore.Mvc;
2
3 namespace TemperatureConverter.Controllers
4 {
5     public class HomeController : Controller
6     {
7         public ActionResult Index()
8         {
9             return View();
10        }
11
12        [HttpPost]
13        public ActionResult Index(double celsius)
14        {
15            double fahrenheit = (celsius * 9 / 5) + 32;
16            ViewBag.Celsius = celsius;
17            ViewBag.Fahrenheit = fahrenheit;
18
19            return View();
20        }
21    }
22 }
```

```
1 @{
2     ViewBag.Title = "Temperature Converter";
3 }
4
5 <h2>@ViewBag.Title</h2>
6
7 @using (Html.BeginForm())
8 {
9     <div>
10         <label for="celsius">Celsius:</label>
11         @Html.TextBox("celsius")
12         <input type="submit" value="Convert" />
13     </div>
14 }
15
16 @if (ViewBag.Celsius != null && ViewBag.Fahrenheit != null)
17 {
18     <div>
19         <p>
20             @ViewBag.Celsius &#8451; = @ViewBag.Fahrenheit &#8457;
21         </p>
22     </div>
23 }
```

```
C:\A PG-DAC\DAC\Net\programs\labexam\LabExam2\bin\Debug\net7.0\LabExam2.exe
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5148
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\A PG-DAC\DAC\Net\programs\labexam\LabExam2
```



LabExam2 Home Privacy

## Temperature Converter

Celsius:    
37 °C = 98.6 °F