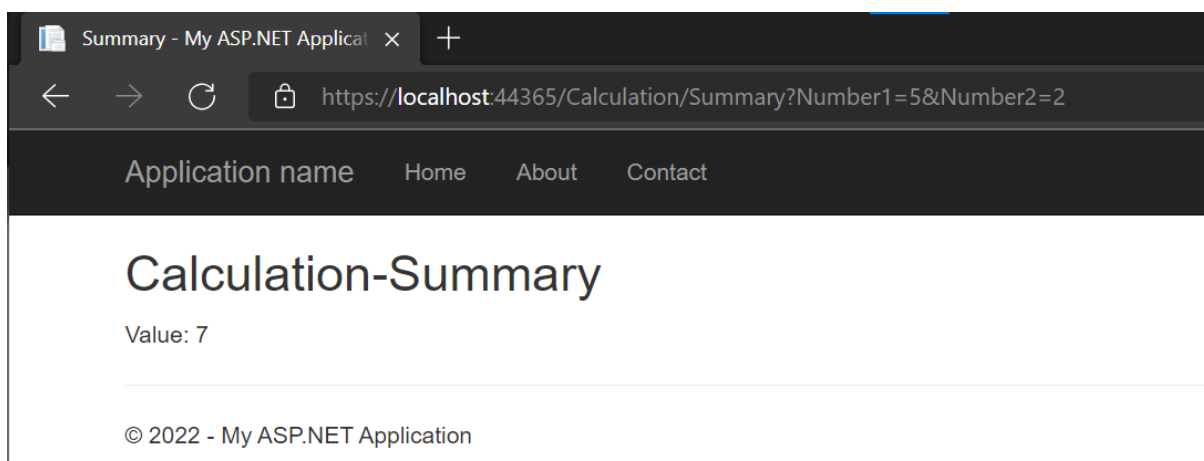


## LAB\_01

```
9
10 namespace Lab01_MVC.Controllers
11 {
12     0 references
13     public class CalculationController : Controller
14     {
15         // GET: Calculation
16         8 references
17         public bool IsNumber(string pText)
18         {
19             Regex regex = new Regex(@"^[+]?[0-9]*\.[0-9]+$");
20             return regex.IsMatch(pText);
21         }
22
23         0 references
24         public ActionResult Index()
25         {
26             return View();
27         }
28
29         // "+"
30         0 references
31         public ActionResult Summary()
32         {
33             string strNumber1 = Request.QueryString["Number1"];
34             string strNumber2 = Request.QueryString["Number2"];
35
36             if (IsNumber(strNumber1) == true && IsNumber(strNumber2) == true)
37             {
38                 int sum = Convert.ToInt32(strNumber1) + Convert.ToInt32(strNumber2);
39                 return View((object)sum.ToString());
40             }
41             else
42             {
43                 return View((object)("Invalid ! Your Input must be a number"));
44             }
45         }
46     }
47 }
```



```

43 // "/"
44 0 references
45 public ActionResult Division()
46 {
47     string strNumber1 = Request.QueryString["Number1"];
48     string strNumber2 = Request.QueryString["Number2"];
49
50     if (IsNumber(strNumber1) == true && IsNumber(strNumber2) == true)
51     {
52         int div = Convert.ToInt32(strNumber1) / Convert.ToInt32(strNumber2);
53         return View((object)div.ToString());
54     }
55     else
56     {
57         return View((object)("Invalid ! Your Input must be a number"));
58     }
59
60 }
61
62 // "-"
63 0 references
64 public ActionResult Subtraction()
65 {
66     string strNumber1 = Request.QueryString["Number1"];
67     string strNumber2 = Request.QueryString["Number2"];
68
69     if (IsNumber(strNumber1) == true && IsNumber(strNumber2) == true)
70     {
71         int sub = Convert.ToInt32(strNumber1) - Convert.ToInt32(strNumber2);
72         return View((object)sub.ToString());
73     }
74     else
75     {
76         return View((object)("Invalid ! Your Input must be a number"));
77     }
78 }

```

Division - My ASP.NET Application
+

← → ↺
https://localhost:44365/Calculation/Division?Number1=6&Number2=2

Application name   Home   About   Contact

# Calculation-Division

Value: 3

---

© 2022 - My ASP.NET Application

Subtraction - My ASP.NET Application
+

← → ↺
https://localhost:44365/Calculation/Subtraction?Number1=6&Number2=2

Application name   Home   About   Contact

# Calculation-Subtraction

Value: 4

---

© 2022 - My ASP.NET Application

```

77
78
79
80
81 // "*"
82 // 0 references
83 public ActionResult Muiltiplication()
84 {
85     string strNumber1 = Request.QueryString["Number1"];
86     string strNumber2 = Request.QueryString["Number2"];
87
88     if (IsNumber(strNumber1) == true && IsNumber(strNumber2) == true)
89     {
90         int mui = Convert.ToInt32(strNumber1) * Convert.ToInt32(strNumber2);
91         return View((object)mui.ToString());
92     }
93     else
94     {
95         return View((object)("Invalid ! Your Input must be a number"));
96     }
97 }

```

Muiltiplication - My ASP.NET App x +

← → ↻ <https://localhost:44365/Calculation/Muiltiplication?Number1=5&Number2=2>

Application name Home About Contact

## Calculation-Muiltiplication

Value: 10

---

© 2022 - My ASP.NET Application

Subtraction - My ASP.NET Applic x +

← → ↻ <https://localhost:44365/Calculation/Subtraction?Number1=6&Number2=d>

Application name Home About Contact

## Calculation-Subtraction

Value: Invalid ! Your Input must be a number

---

© 2022 - My ASP.NET Application

```

97
98 //Input http://localhost:1457/Calculation/ArrayStats?Arr=[1, 2, 3, 4, 5]
99 //Output : Array has 5 elements and max is 5 and min is 1
100
101 0 references
102 public ActionResult ArrayStats()
103 {
104     string Arr = Request.QueryString["Arr"];
105     string Check = Request.QueryString["Check"];
106
107     int max = 0;
108     int min = 90;
109     for (int i = 0; i < Arr.Length; i++)
110     {
111         if (Arr[i] > max && Arr[i] <= 57 && Arr[i] >= 48)
112         {
113             max = Arr[i];
114         }
115
116         if (Arr[i] < min && Arr[i] <= 57 && Arr[i] >= 48)
117         {
118             min = Arr[i];
119         }
120     }
121
122     int a = max - '0';
123     int b = min - '0';
124     int c = (Arr.Length - 1) / 2;
125
126     //Check Min
127     if (String.Compare(Check, "Min", true) == 0)
128     {
129         return View((object)("Array Min is " + b));
130     }
131     //Check Max
132     else if (String.Compare(Check, "Max", true) == 0)
133     {
134         return View((object)("Array Max is " + a));
135     }
136     //Check Num
137     else if (String.Compare(Check, "Num", true) == 0)
138     {
139         return View((object)("Array has " + c + " elements"));
140     }
141
142     return View((object)("Array has elements " + c.ToString() + " and max is " + a.ToString() + " and min is " + b.ToString()));
143 }
144

```

ArrayStats - My ASP.NET Applica
+

← → ↺
https://localhost:44365/Calculation/ArrayStats?Arr=[1,2,3,4,5,6]

Application name
Home
About
Contact

# ArrayStats

Value: Array has elements 6 and max is 6 and min is 1

---

© 2022 - My ASP.NET Application

ArrayStats - My ASP.NET Applica × +

← → ↺

https://localhost:44365/Calculation/ArrayStats?Arr=[1,2,3,4,5,6]&Check=Min

Application name Home About Contact

# ArrayStats

Value: Array Min is 1

---

© 2022 - My ASP.NET Application

ArrayStats - My ASP.NET Applica × +

← → ↺

https://localhost:44365/Calculation/ArrayStats?Arr=[1,2,3,4,5,6]&Check=Max

Application name Home About Contact

# ArrayStats

Value: Array Max is 6

---

© 2022 - My ASP.NET Application

ArrayStats - My ASP.NET Applica × +

← → ↺

https://localhost:44365/Calculation/ArrayStats?Arr=[1,2,3,4,5,6]&Check=Num

Application name Home About Contact

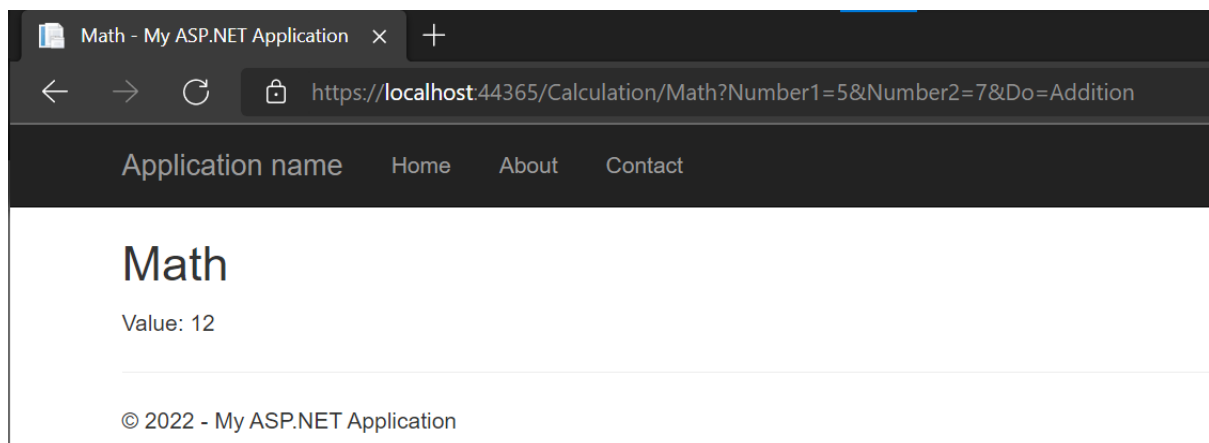
# ArrayStats

Value: Array has 6 elements

---

© 2022 - My ASP.NET Application

```
144
145
146 0 references
147 public ActionResult Math()
148 {
149     string strNumber1 = Request.QueryString["Number1"];
150     string strNumber2 = Request.QueryString["Number2"];
151     string strDo = Request.QueryString["Do"];
152
153     if (String.Compare(strDo, "Addition", true) == 0)
154     {
155         int add = Convert.ToInt32(strNumber1) + Convert.ToInt32(strNumber2);
156         return View((object)add.ToString());
157     }
158
159     else if (String.Compare(strDo, "Subtraction", true) == 0)
160     {
161         int sub = Convert.ToInt32(strNumber1) - Convert.ToInt32(strNumber2);
162         return View((object)sub.ToString());
163     }
164
165     else if (String.Compare(strDo, "Multiplication", true) == 0)
166     {
167         int mul = Convert.ToInt32(strNumber1) * Convert.ToInt32(strNumber2);
168         return View((object)mul.ToString());
169     }
170
171     else if (String.Compare(strDo, "Division", true) == 0)
172     {
173         int div = Convert.ToInt32(strNumber1) / Convert.ToInt32(strNumber2);
174         return View((object)div.ToString());
175     }
176
177     return View((object)("Ohh"));
178 }
179
180
181
182
```



Math - My ASP.NET Application

×

+

←

→

↻

🔒 https://localhost:44365/Calculation/Math?Number1=4&Number2=2&Do=Division

Application name   Home   About   Contact

Math

Value: 2

© 2022 - My ASP.NET Application

Math - My ASP.NET Application

×

+

←

→

↻

🔒 https://localhost:44365/Calculation/Math?Number1=5&Number2=2&Do=Subtraction

Application name   Home   About   Contact

Math

Value: 3

© 2022 - My ASP.NET Application

Math - My ASP.NET Application

×

+

←

→

↻

🔒 https://localhost:44365/Calculation/Math?Number1=5&Number2=2&Do=Multiplication

Application name   Home   About   Contact

Math

Value: 10

© 2022 - My ASP.NET Application

```
CalculationController.cs  RouteConfig.cs  X
Lab01_MVC  Lab01_MVC.RouteConfig  RegisterRoutes(f

1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Web;
5  using System.Web.Mvc;
6  using System.Web.Routing;
7
8  namespace Lab01_MVC
9  {
10     1 reference
11     public class RouteConfig
12     {
13         1 reference
14         public static void RegisterRoutes(RouteCollection routes)
15         {
16             routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
17
18             routes.MapRoute(
19                 name: "Calculation",
20                 url: "Calculation/{action}/{Message}",
21                 defaults: new { controller = "Calculation", action = "Index", Message = UrlParameter.Optional }
22             );
23
24             routes.MapRoute(
25                 name: "Calculations",
26                 url: "Calculation/{Message}",
27                 defaults: new { controller = "Calculation", action = "Math", Message = UrlParameter.Optional }
28             );
29
30             routes.MapRoute(
31                 name: "Default",
32                 url: "{controller}/{action}/{Message}",
33                 defaults: new { controller = "Calculation", action = "Index", Message = UrlParameter.Optional }
34             );
35         }
36     }
37 }
```