

ASSIGNMENT 4

WEB TECHNOLOGY

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ROLL NO - 2019UCO1580

Javascript implementations

The screenshot shows a web browser window with the following tabs: 'Lab Assgn #4', 'Javascript Fundamentals', and 'Untitled document - Google Docs'. The address bar shows the file path: 'D:/III%20semester/Web%20Technology/Assignment%204/basic-jsprompts.html'. The page content is as follows:

Basic Javascript Implementations

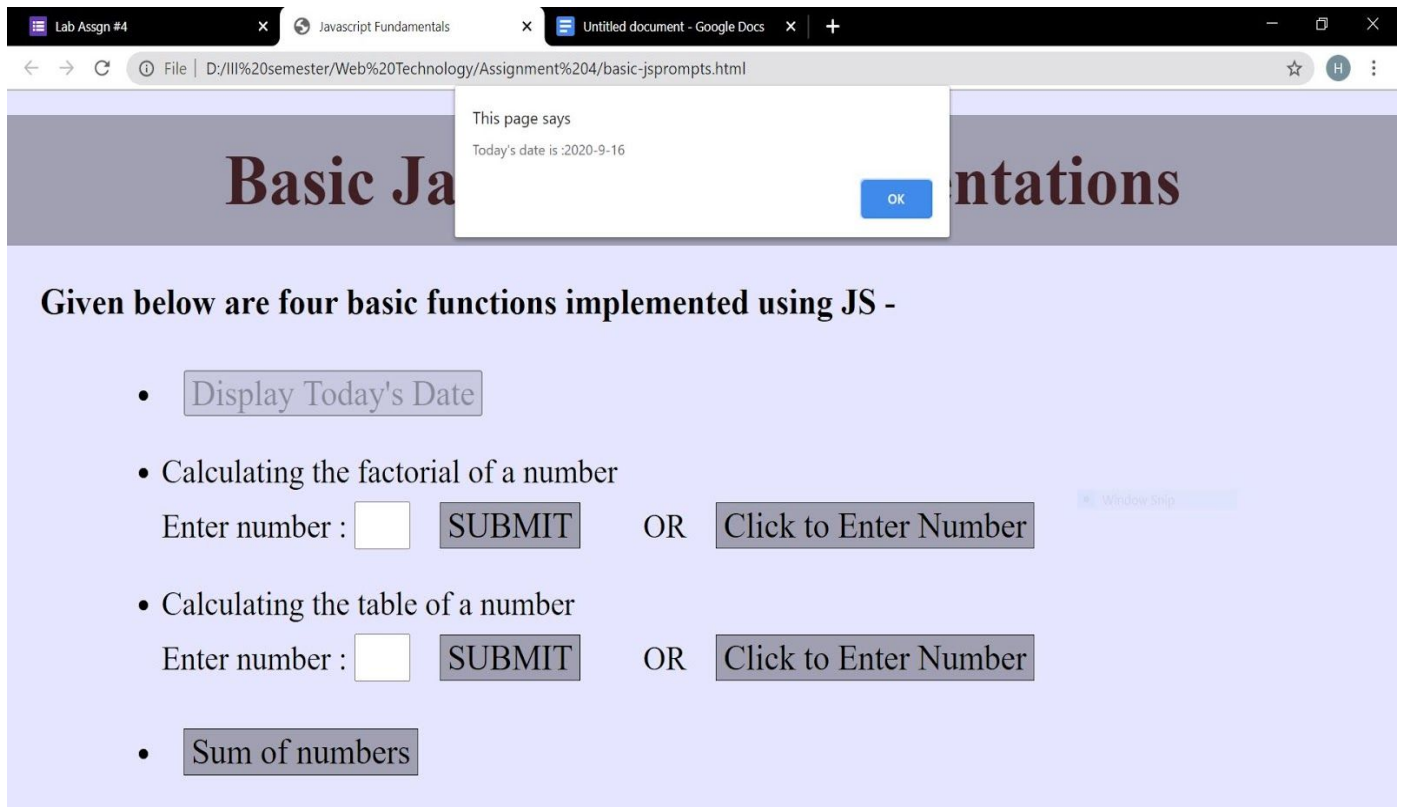
Given below are four basic functions implemented using JS -

-
- Calculating the factorial of a number
Enter number : OR
- Calculating the table of a number
Enter number : OR
-

The above site contains 4 basic implementations of -

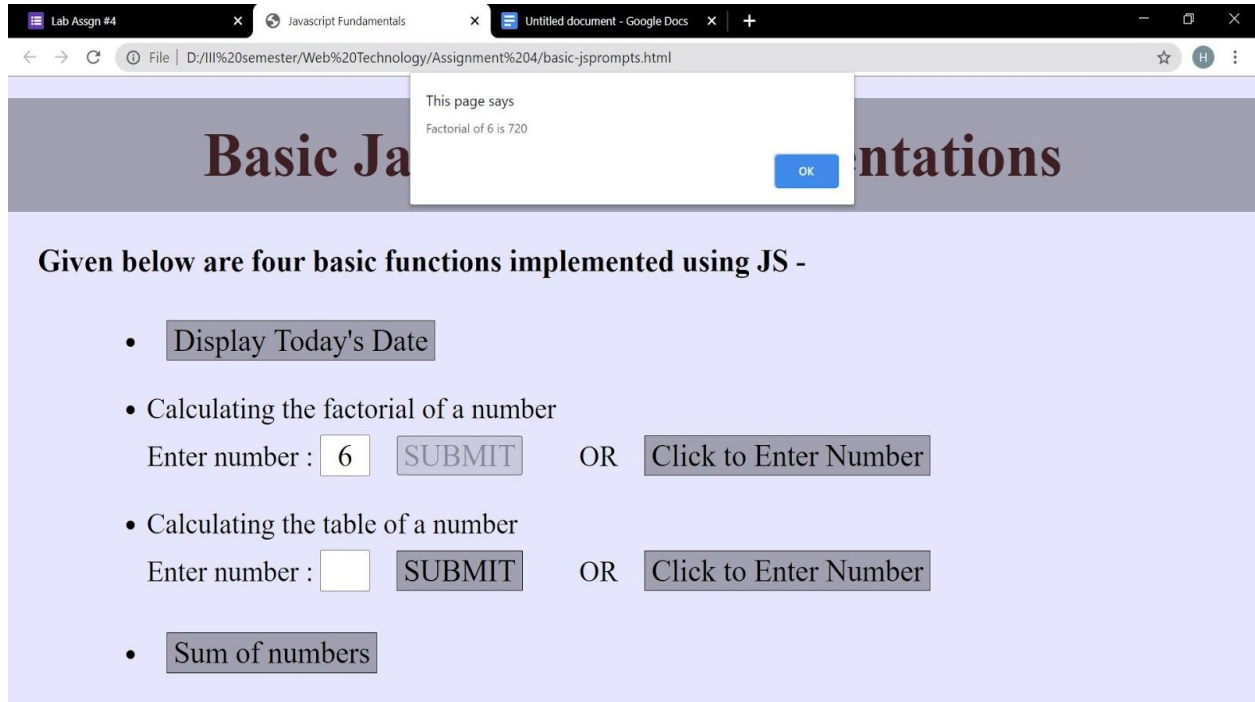
- Date display using user input
- Calculating factorial of a number using static and prompt inputs.
- Calculating multiplication table of a number using static and prompt inputs
- Calculating sum of n numbers entered by user using prompt

Displaying Date

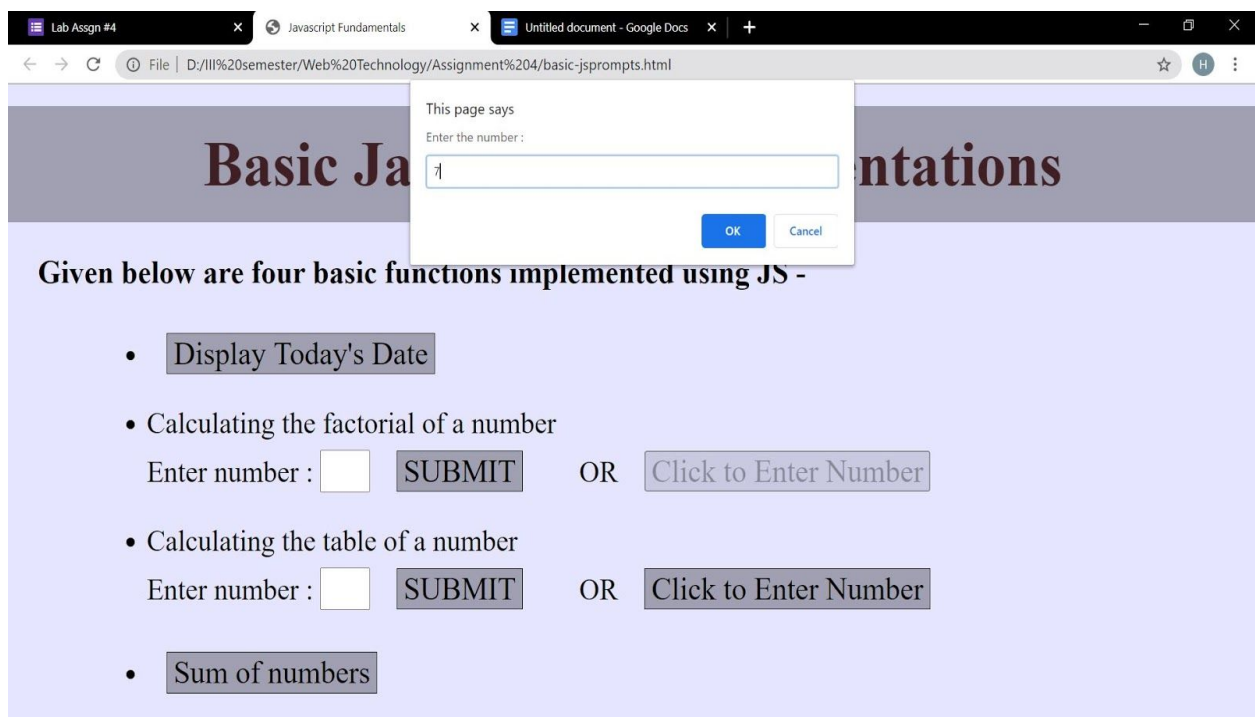


- Hover functionality was provided to the buttons as is visible in the screenshots
- Date was displayed in the alert box.

Calculating factorial - Static



Prompt



Lab Assign #4 Javascript Fundamentals Untitled document - Google Docs

File | D:/III%20semester/Web%20Technology/Assignment%204/basic-jsprompts.html

This page says
Factorial of 7 is 5040

Basic JavaScript Prompts

Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : OR
- Calculating the table of a number
Enter number : OR
- Sum of numbers

Calculating table - Static

Lab Assign #4 Javascript Fundamentals Untitled document - Google Docs

File | D:/III%20semester/Web%20Technology/Assignment%204/basic-jsprompts.html

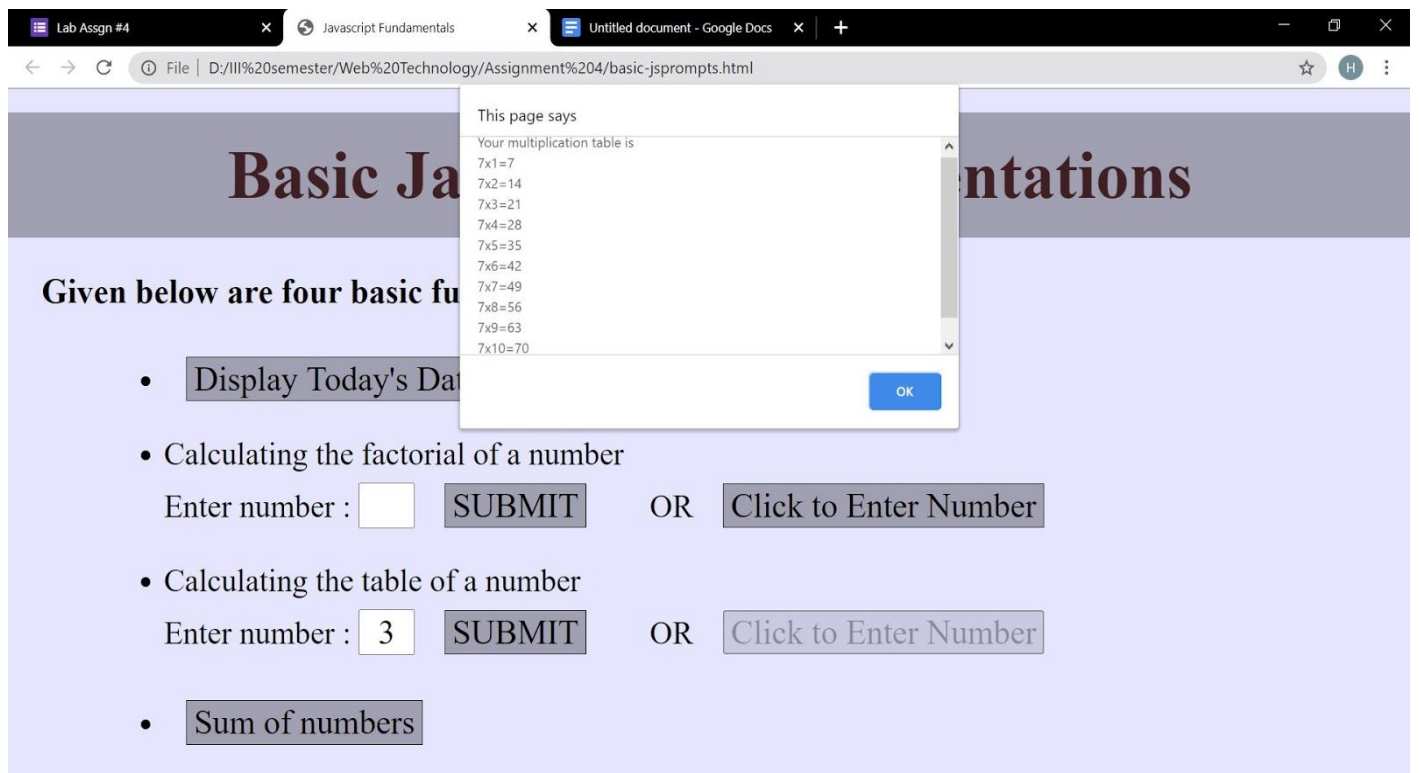
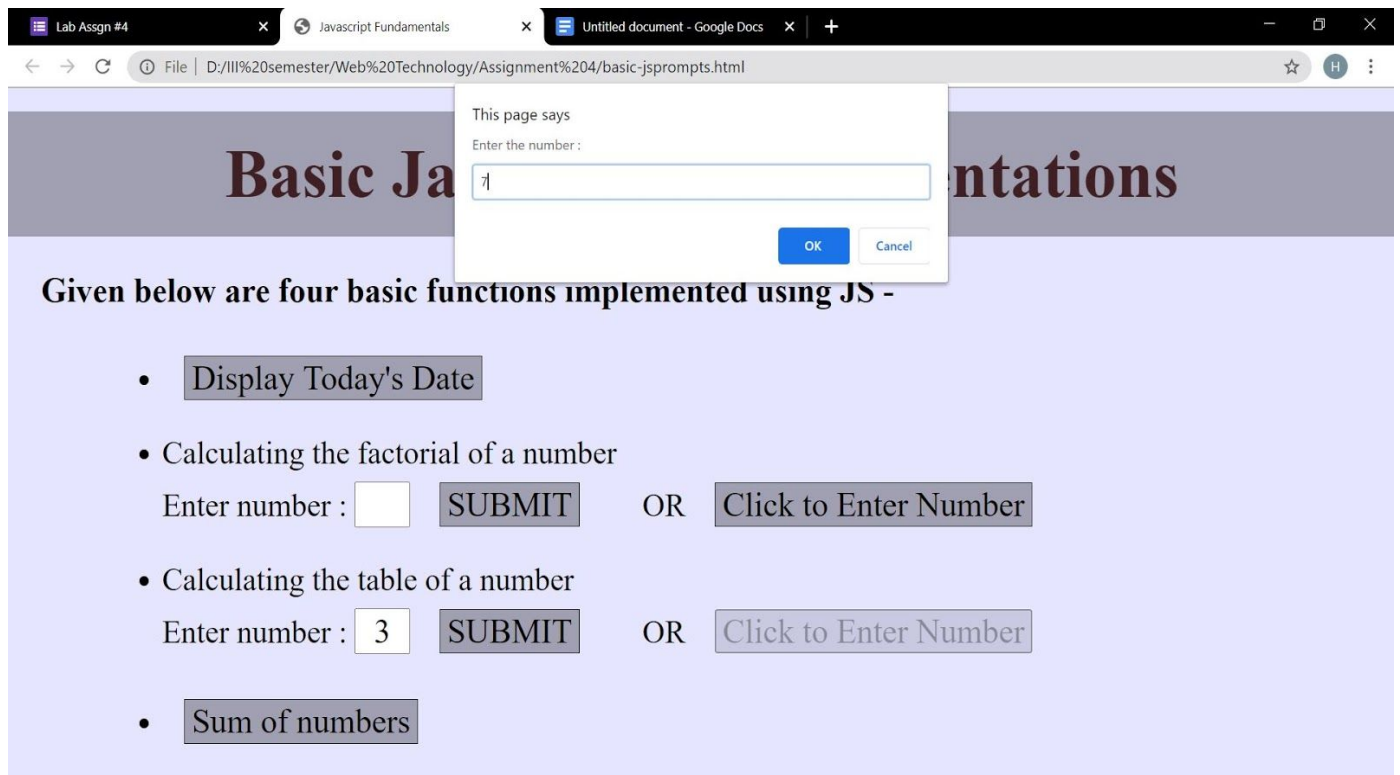
This page says
Your multiplication table is
3x1=3
3x2=6
3x3=9
3x4=12
3x5=15
3x6=18
3x7=21
3x8=24
3x9=27
3x10=30

Basic JavaScript Prompts

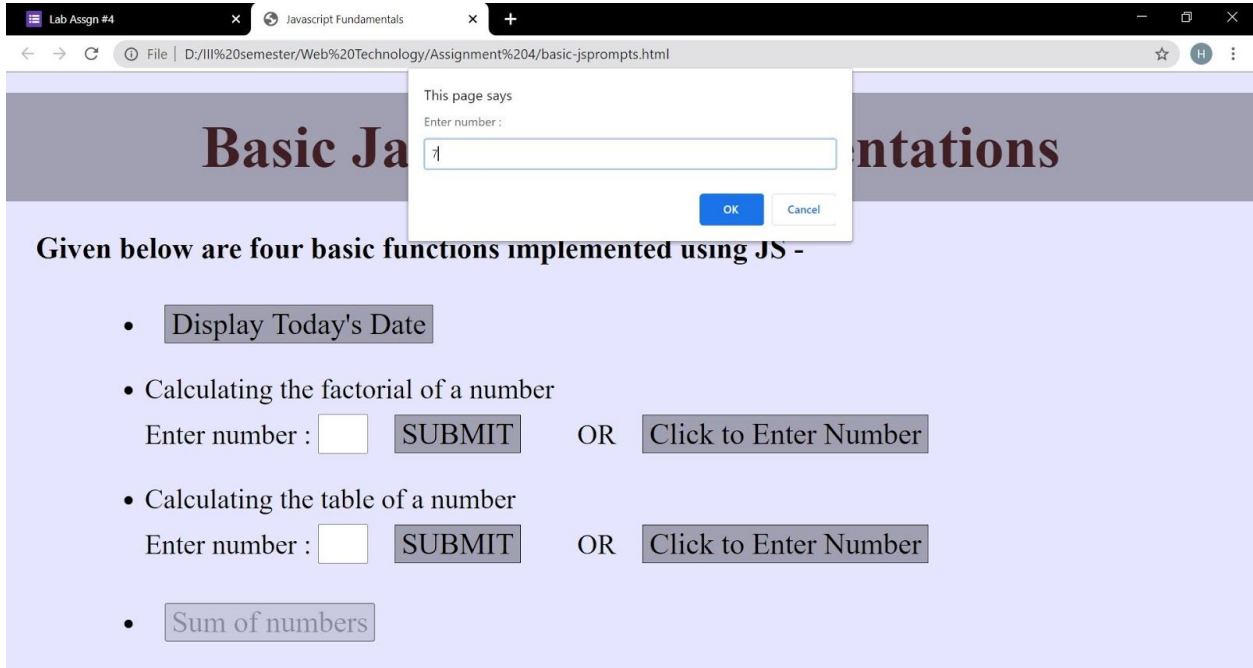
Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : OR
- Calculating the table of a number
Enter number : OR
- Sum of numbers

Prompt



Calculating Sum of n numbers



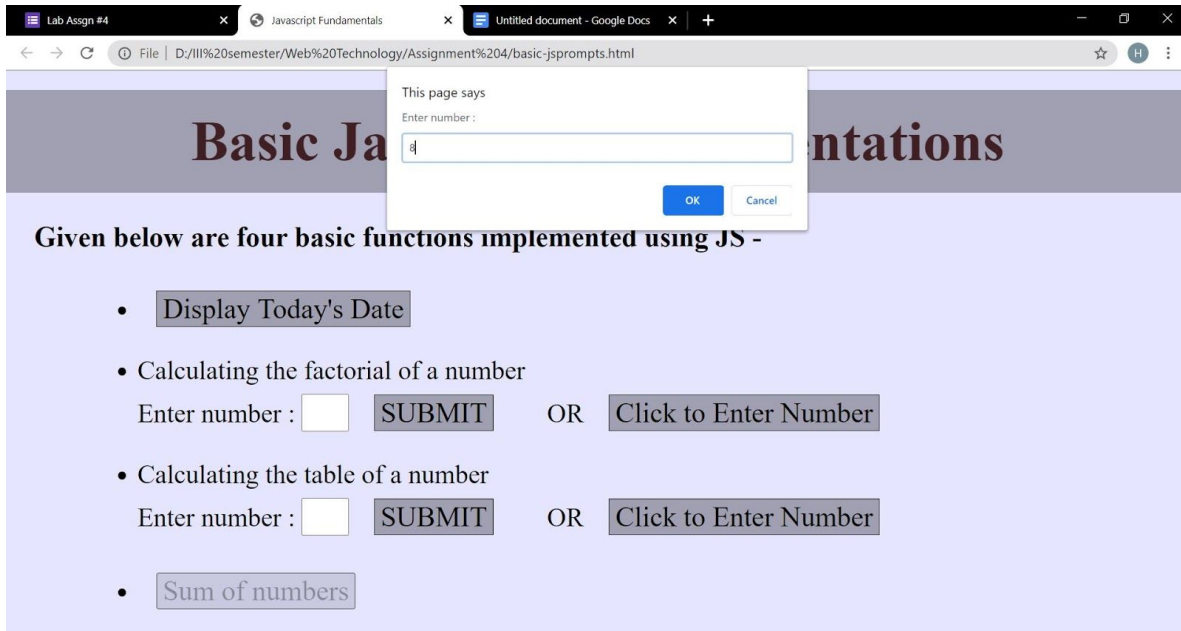
Basic JavaScript Prompts

This page says
Enter number : 1

OK Cancel

Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : SUBMIT OR Click to Enter Number
- Calculating the table of a number
Enter number : SUBMIT OR Click to Enter Number
- Sum of numbers



Basic JavaScript Prompts

This page says
Enter number : 1

OK Cancel

Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : SUBMIT OR Click to Enter Number
- Calculating the table of a number
Enter number : SUBMIT OR Click to Enter Number
- Sum of numbers

Lab Assgn #4 Javascript Fundamentals Untitled document - Google Docs

File | D:/III%20semester/Web%20Technology/Assignment%204/basic-jsprompts.html

Basic JavaScript Prompts

This page says
Want to enter more?(Y/N)
Yes

OK Cancel

Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : SUBMIT OR Click to Enter Number
- Calculating the table of a number
Enter number : SUBMIT OR Click to Enter Number
- Sum of numbers

Lab Assgn #4 Javascript Fundamentals Untitled document - Google Docs

File | D:/III%20semester/Web%20Technology/Assignment%204/basic-jsprompts.html

Basic JavaScript Prompts

This page says
Your sum is 15

OK

Given below are four basic functions implemented using JS -

- Display Today's Date
- Calculating the factorial of a number
Enter number : SUBMIT OR Click to Enter Number
- Calculating the table of a number
Enter number : SUBMIT OR Click to Enter Number
- Sum of numbers

Code - HTML

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Javascript Fundamentals</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <h1>
      Basic Javascript Implementations
    </h1>
    <p> Given below are four basic functions implemented using
      JS -
    </p>
    <ul>
      <li>
        <button type="button" onclick="fun()">
          Display Today's Date
        </button>
      </li>
      <li> Calculating the factorial of a number<br/>
        Enter number : <input type="text" name = "fact" id="factorial">
        <button type="submit" onclick="factorial1()"> SUBMIT</button>
        <span style=" margin-left : 40px"> OR </span>
        <button type="submit" onclick="factorial2()"> Click to Enter Number </button>
      </li>
      <li>
        Calculating the table of a number<br/>
        Enter number : <input type="text" name ="mult" id = "multiply">
        <button type="submit" onclick ="table1()"> SUBMIT</button>
        <span style=" margin-left : 40px"> OR </span>
        <button type="submit" onclick="table2()"> Click to Enter Number </button>
      </li>
      <li> <button type="submit" onclick = "sum_n()"> Sum of numbers </button>
```



```

        </li>
    </ul>
</body>
<script type="text/javascript">
    function fun()
    {
        var d = new Date();
        var y = d.getFullYear();
        var m = d.getMonth() + 1;
        var day = d.getDate();
        alert("Today's date is :" + y + "-" + m + "-" + day);
    }
    function factorial1()
    {
        var n = document.getElementById("factorial").value;
        if(!n)
        {
            alert("Please enter a number first");
            return;
        }
        var N = parseInt(n);
        var res = 1;
        for (var i = 1; i <= N; i++) {
            res = res*i;
        }
        alert("Factorial of "+N+" is "+res);
    }
    function factorial2()
    {
        var n = window.prompt("Enter the number :");
        if(!n)
        {
            alert("Please enter a number first");
            return;
        }
        var N = parseInt(n);

```

```

    var res = 1;
    for (var i = 1; i <= N; i++) {
        res = res*i;
    }
    alert("Factorial of "+N+" is "+res);
}

function table1()
{
    var table = "";
    var num = parseInt(document.getElementById("multiply").value);
    if(!num)
    {
        alert("Please enter a number first");
        return;
    }
    //document.write(num);
    for (var i = 1; i <= 10; i++) {
        var res = num*i;
        table += (num + 'x' + i + '=' + res + '\n');
    }
    alert("Your multiplication table is \n"+table);
}

//var fact = parseInt(document.getElementById("factorial"));
function table2()
{
    var table = "";
    var num = window.prompt("Enter the number :");
    //document.write(num);
    if(!num)
    {
        alert("Please enter a number first");
        return;
    }
    for (var i = 1; i <= 10; i++) {
        var res = num*i;
        table += (num + 'x' + i + '=' + res + '\n');
    }
    alert("Your multiplication table is \n"+table);
}

```

```

    }
    function sum_n()
    {
        var res = 0;
        while(true)
        {
            var num = window.prompt("Enter number :");
            res+= parseInt(num);

            var ask = window.prompt("Want to enter more?(Y/N)");
            if(ask=="YES" || ask=="yes" || ask=="Yes"||ask=="y" || ask=="Y")
                continue;
            else {
                break;
            }
        }
        alert("Your sum is "+ res);
    }
</script>
</html>

```

CODE - CSS

```

*{
    box-sizing: border-box;
    font-family: "times";
}
body{
    background-color: rgba(0,0,255,0.1);
    margin : 0px;
}
h1{
    text-align: center;
    padding: 20px;
}

```

```
margin : 20px 0px 20px 0px;
color: rgba(40,0,0,0.8);
font-size: 60px;
transition: all 0.7s ease;
background-color: rgba(0,0,0,0.3);
}
h1:hover{
  opacity: 0.5;
  transform: scale(1.3);
}
li{
  margin-left: 100px;
  margin-top: 20px;
  margin-bottom : 20px;
  font-size: 28px;
}
input{
  height:40px ;
  width:50px;
  font-size:30px;
  text-align:center;
}
button{
  font-size: 30px;
  border: 1px solid black;
  background-color: rgba(0,0,0,0.3);
  transition: all 0.7s ease;
  margin : 10px 10px 10px 20px;
}
button:hover{
  opacity: 0.4;
  cursor: pointer;
}
p{
  font-size: 30px;
  font-weight: bold; margin-left: 30px; }
```

