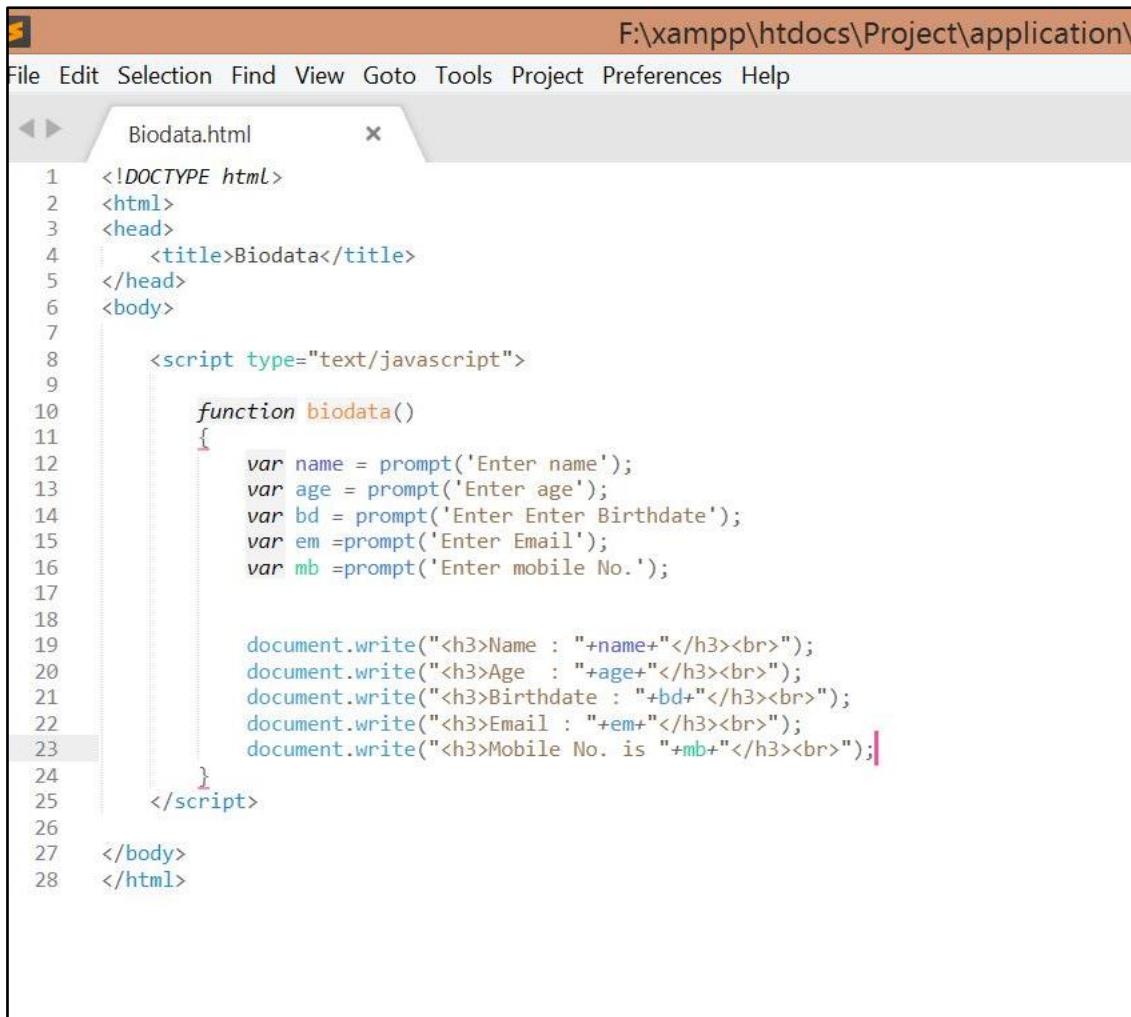


Program to print Biodata-

The screenshot shows a code editor window with the title bar "F:\xampp\htdocs\Project\application\". The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The current file is "Biodata.html". The code in the editor is:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Biodata</title>
5 </head>
6 <body>
7
8   <script type="text/javascript">
9
10    function biodata()
11    {
12      var name = prompt('Enter name');
13      var age = prompt('Enter age');
14      var bd = prompt('Enter Enter Birthdate');
15      var em =prompt('Enter Email');
16      var mb =prompt('Enter mobile No.');
17
18
19      document.write("<h3>Name : "+name+"</h3><br>");
20      document.write("<h3>Age : "+age+"</h3><br>");
21      document.write("<h3>Birthdate : "+bd+"</h3><br>");
22      document.write("<h3>Email : "+em+"</h3><br>");
23      document.write("<h3>Mobile No. is "+mb+"</h3><br>");|</script>
24
25  </body>
26
27 </html>
```

Output –

This page says

Enter your birthdate

OK Cancel

This page says

Enter your age :

OK Cancel

This page says

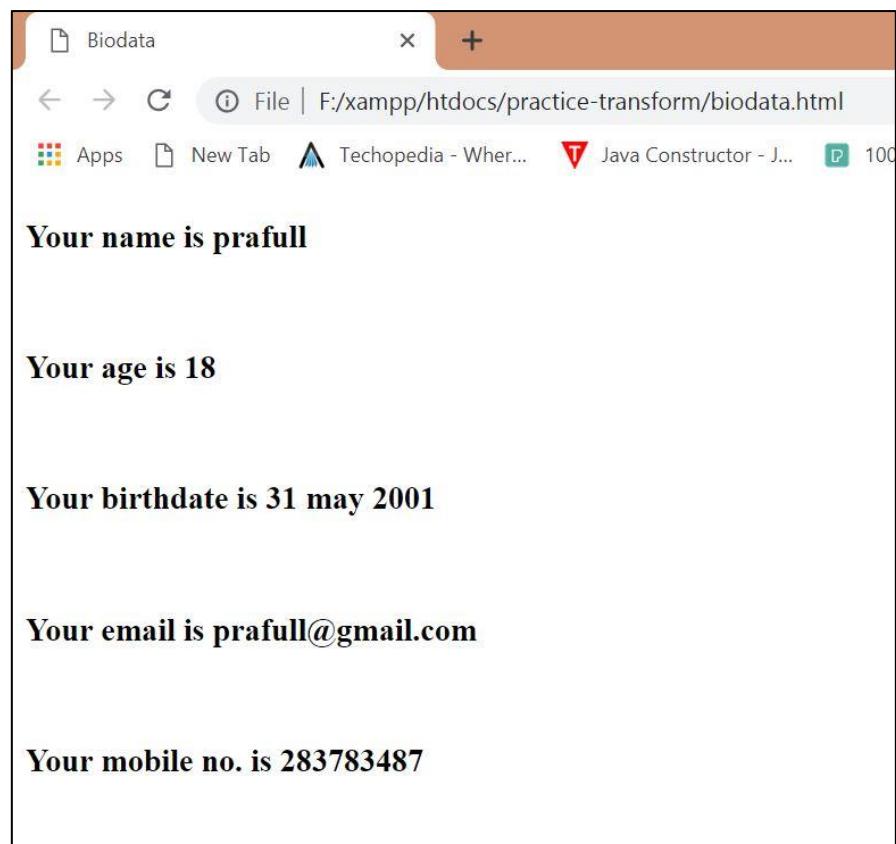
Enter your email :

OK Cancel

This page says

Enter your mobile no :

OK Cancel

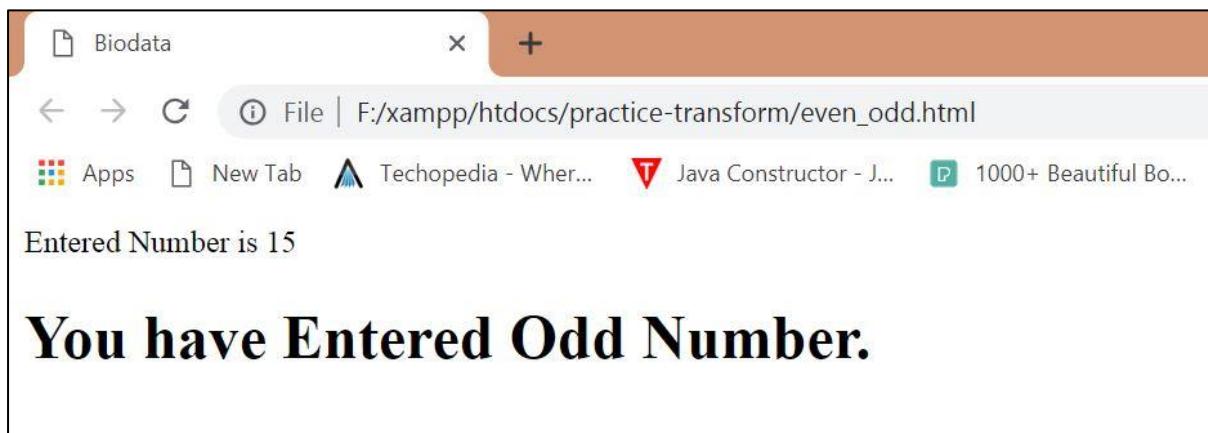
**Program to print Even Odd Number-**

```

<!DOCTYPE html>
<html>
<head>
    <title>Biodata</title>
</head>
<body>

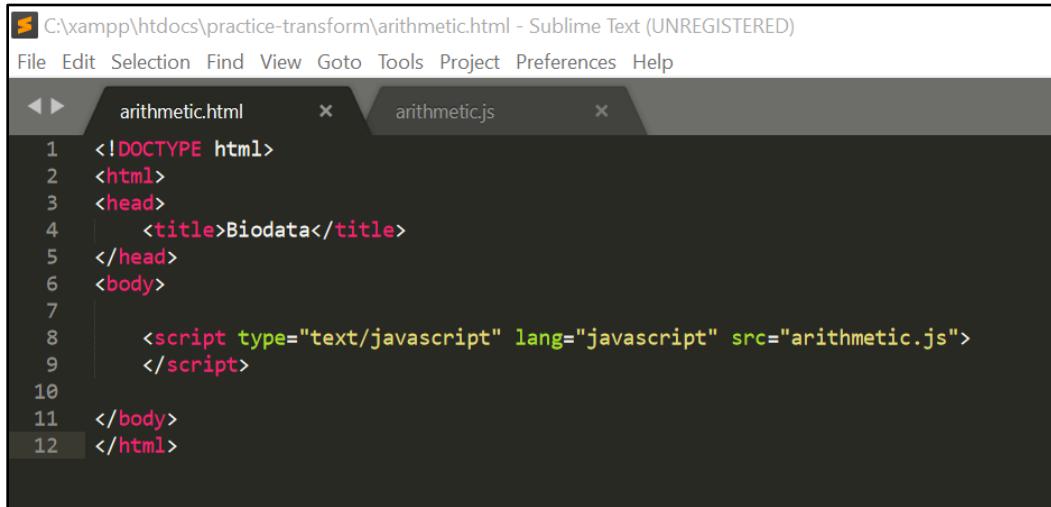
<script type="text/javascript" lang="javascript">
var a=prompt("Enter number : ");
document.write("Entered Number is "+a+"<br />");
if(a%2==0)
{
    document.write("<h1>You have Entered Even Number.</h1>");
}
else
{
    document.write("<h1>You have Entered Odd Number.</h1>");
}
</script>
</body>
</html>

```

Output-

Arithmetic Operators

Program for performing arithmetic operations on two numbers.



The screenshot shows a Sublime Text window with two tabs open. The left tab, titled 'arithmetic.html', contains the following HTML code:

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Biodata</title>
5  </head>
6  <body>
7
8      <script type="text/javascript" lang="javascript" src="arithmetic.js">
9      </script>
10
11 </body>
12 </html>

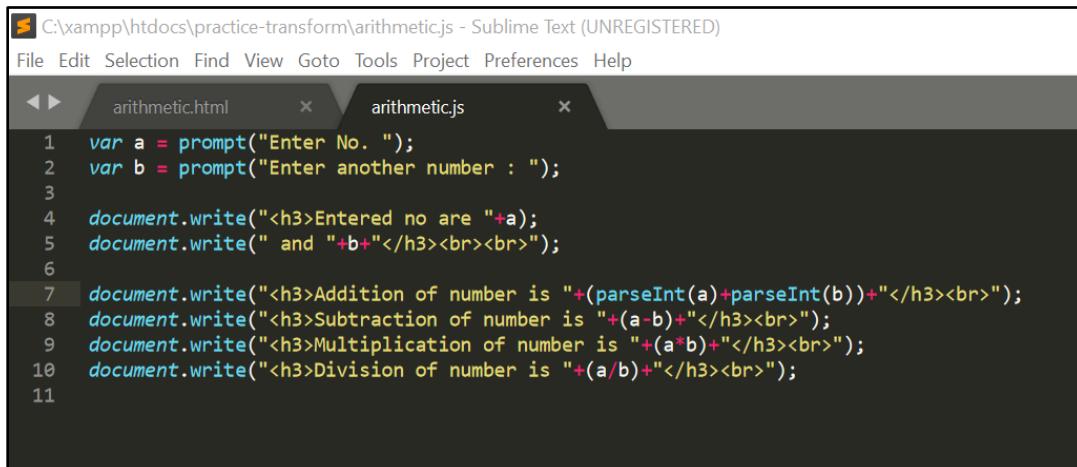
```

The right tab, titled 'arithmetic.js', contains the following JavaScript code:

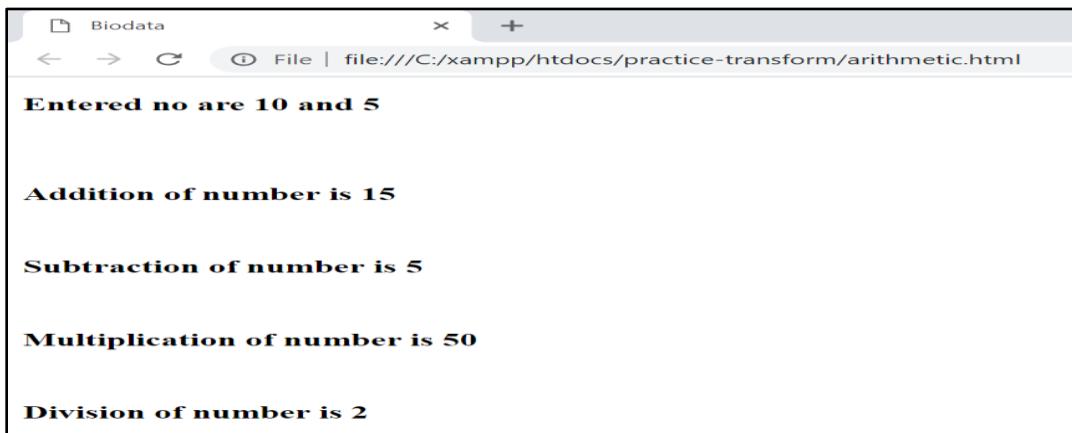
```

1 var a = prompt("Enter No. ");
2 var b = prompt("Enter another number : ");
3
4 document.write("<h3>Entered no are "+a);
5 document.write(" and "+b+"</h3><br><br>");
6
7 document.write("<h3>Addition of number is "+(parseInt(a)+parseInt(b))+"</h3><br>");
8 document.write("<h3>Subtraction of number is "+(a-b)+"</h3><br>");
9 document.write("<h3>Multiplication of number is "+(a*b)+"</h3><br>");
10 document.write("<h3>Division of number is "+(a/b)+"</h3><br>");
11

```



The screenshot shows the same Sublime Text window with the 'arithmetic.js' tab selected. The code is identical to the one shown in the previous screenshot, but the tabs are labeled 'arithmetic.html' and 'arithmetic.js' respectively.



The screenshot shows a web browser window titled 'Biodata'. The address bar indicates the page is 'file:///C:/xampp/htdocs/practice-transform/arithmetic.html'. The content of the page displays the results of arithmetic operations between the numbers 10 and 5:

Entered no are 10 and 5

Addition of number is 15

Subtraction of number is 5

Multiplication of number is 50

Division of number is 2

Comparison Operators

Program for comparison of two numbers.

The screenshot shows a Sublime Text window with the file 'comparison.html' open. The code is an HTML page with embedded JavaScript. It prompts the user for two numbers, compares them, and writes the result to the browser. The code uses standard comparison operators like ==, !=, >, and <.

```
C:\xampp\htdocs\practice-transform\comparison.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
comparison.html

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Comparison</title>
5  </head>
6  <body>
7
8      <script>
9          var num1 = prompt("Enter first number : ");
10         var num2 = prompt("Enter second number : ");
11         document.write("Entered number are "+num1+" and "+num2+" <br> ");
12         if(num1==num2)
13             document.write("First number and second number are equal.");
14         else if(num1>num2)
15             document.write("First number is greater than second number.");
16         else
17             document.write("Second number is greater than second number.");
18
19     </script>
20
21 </body>
22 </html>
```

The screenshot shows a web browser window titled 'Comparison'. The address bar shows the file path. The main content area displays the output of the script: 'Entered number are 24 and 76' followed by 'Second number is greater than second number.'

Comparison

← → C File | file:///C:/xampp\htdocs\practice-transform\comparison.html

Entered number are 24 and 76
Second number is greater than second number.

Program to check number is in range or not.

C:\xampp\htdocs\practice-transform\comparison2.html - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
```

comparison2.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Comparison</title>
5  </head>
6  <body>
7
8      <script>
9          var a=prompt("Enter starting of range");
10         var b=prompt("Enter ending of range");
11         var num = prompt("Enter number to check");
12
13         document.write("<h2>Range is "+a+" between "+b+"</h2><br>");
14         document.write("<h2>Given number is "+num+"</h2><br>");
15         if(num<=b && num>=a)
16             document.write("<h1>Given number is in range.</h1>");
17         else
18             document.write("<h1>Given number is not in range.</h1>");
19     </script>
20
21 </body>
22 </html>
```

Logical

File | file:///C:/xampp/htdocs/practice-transform/comparison2.html

Range is 13 between 44

Given number is 35

Given number is in range.

Bitwise Operators

Program for addition of two number using bitwise operator.

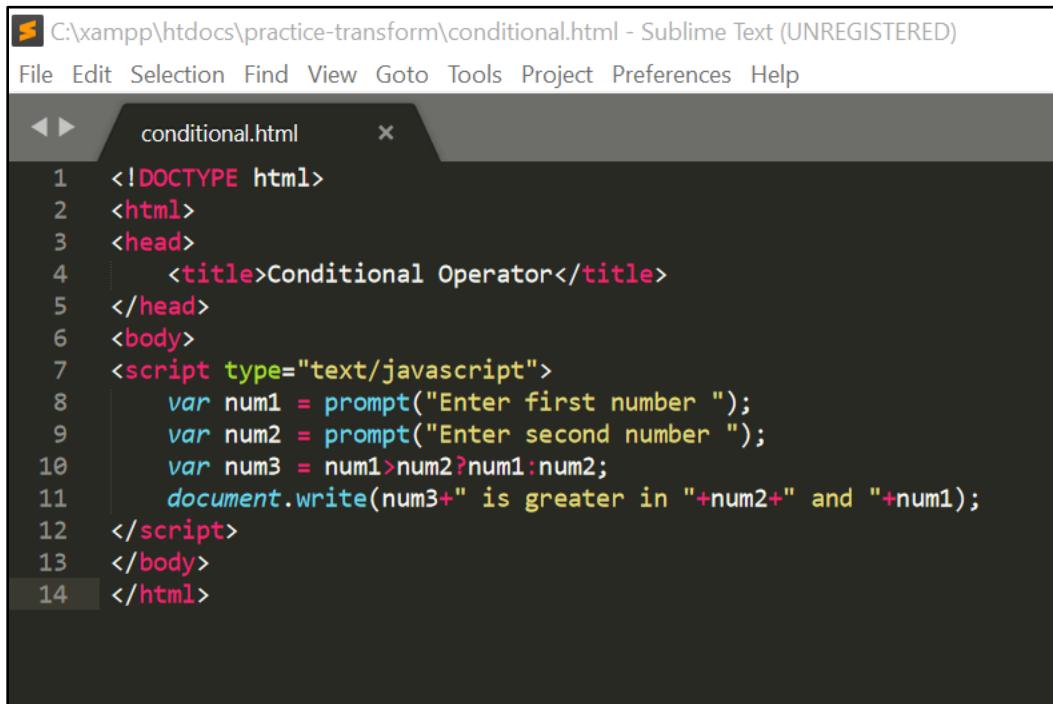
The screenshot shows a Sublime Text window with the file 'Bitwise.html' open. The code is a simple HTML page with a script that performs bitwise addition of two numbers entered by the user. The script uses a while loop with a carry variable to handle the addition of binary digits.

```
<!DOCTYPE html>
<html>
<head>
    <title>Bitwise</title>
</head>
<body>
<script type="text/javascript">
    var num1 = parseInt(prompt("Enter first number "));
    var num2 = parseInt(prompt("Enter second number "));
    document.write("First number is "+num1+" Second number is "+num2+"  
");
    while(num2!=0)
    {
        var carry= num1 & num2;
        num1 = num1 ^ num2 ;
        num2 = carry<<1;
    }
    document.write("Addition is "+num1);
</script>
</body>
</html>
```

The screenshot shows a web browser window titled 'Bitwise'. The address bar shows the file path: 'file:///C:/xampp/htdocs/practice-transform/Bitwise.html'. The page content displays the output of the script: 'First number is 5 Second number is 10' and 'Addition is 15'.

Conditional Operators

Program for comparison between two numbers.

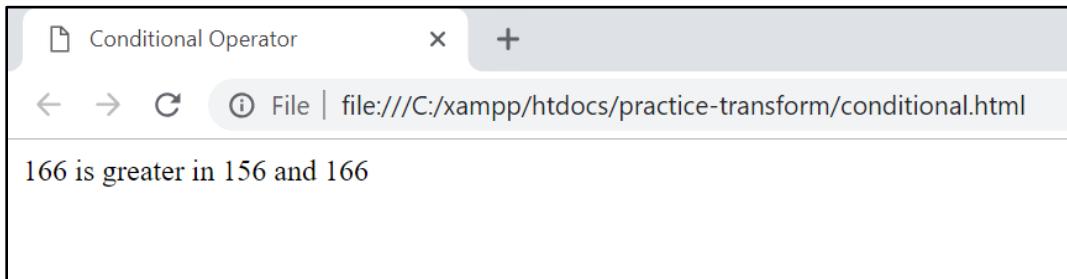


C:\xampp\htdocs\practice-transform\conditional.html - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

conditional.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Conditional Operator</title>
5 </head>
6 <body>
7 <script type="text/javascript">
8     var num1 = prompt("Enter first number ");
9     var num2 = prompt("Enter second number ");
10    var num3 = num1>num2?num1:num2;
11    document.write(num3+" is greater in "+num2+" and "+num1);
12 </script>
13 </body>
14 </html>
```



Conditional Operator

File | file:///C:/xampp/htdocs/practice-transform/conditional.html

166 is greater in 156 and 166

Logical Operators

Program to compare two number.

The screenshot shows the Sublime Text editor with the file 'logical3.html' open. The code is a simple HTML page with a script that checks if a user-entered number is divisible by 2 or 3. The script uses the logical AND operator (&&) and the logical OR operator (||) to determine the output based on the divisibility rules.

```
C:\xampp\htdocs\practice-transform\logical3.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
logical3.html
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Logical Operator</title>
5  </head>
6  <body>
7  <script type="text/javascript">
8
9      var num1 = parseInt(prompt("Enter number "));
10
11     document.write("Entered number is "+num1+"  
");
12     if (num1%2==0 && num1%3==0)
13         document.write("Number is divisible by both 2 and 3");
14     else if(num1%2==0 || num1%3==0)
15     {
16         if(num1%2==0)
17             document.write("Number is divisible by 2 only");
18         else
19             document.write("Number is divisible by 3 only");
20     }
21     else
22         document.write("Number is not divisible by 2 or 3");
23 </script>
24 </body>
25 </html>
```

The screenshot shows a browser window with the title 'Logical Operator'. The address bar indicates the file is located at 'file:///C:/xampp/htdocs/practice-transform/logical3.html'. The main content area displays the output of the script: 'Entered number is 10' followed by 'Number is divisible by 2 only'.

Practical No. 3

Title:

Write a JavaScript to implement various conditional statements.

Theory:

Conditional statements are used to decide the flow of execution based on different conditions. If a condition is true, you can perform one action and if the condition is false, you can perform another action.

There are mainly three types of conditional statements in JavaScript.

1. If statement
2. If...Else statement
3. If...Else If ladder statement
4. Nested If..Else statement

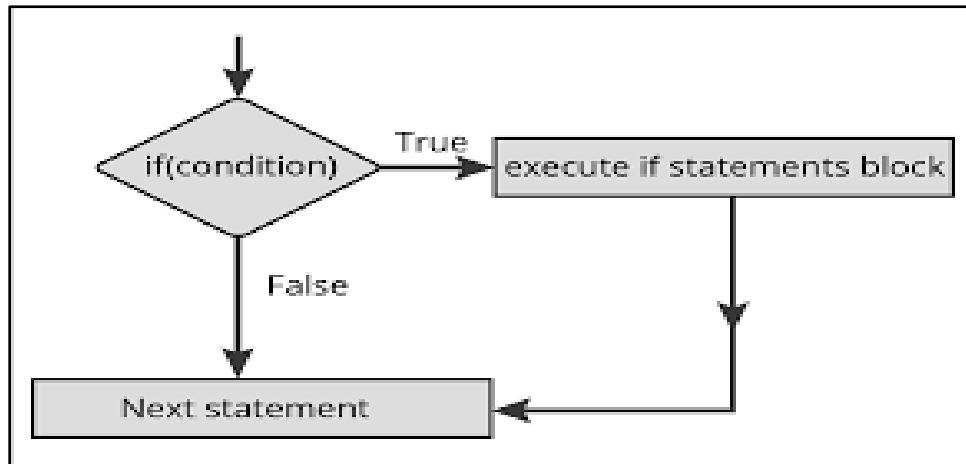
1. If statement:

if statement is the most simple decision making statement. It is used to decide whether a certain statement or block of statements will be executed or not i.e. if a certain condition is true then a block of statement is executed otherwise not.

Syntax:

```
if(condition)
{
    // Statements to execute if
    // condition is true

}
```

Flowchart:**Program:**

```
<script type = "text/javaScript">

// JavaScript program to illustrate If statement

var i = 10;

if (i > 15)

    document.write("10 is less than 15");

    // This statement will be executed
    // as if considers one statement by default

    document.write("I am Not in if");

</script>
```

Output:

```
I am Not in if
```

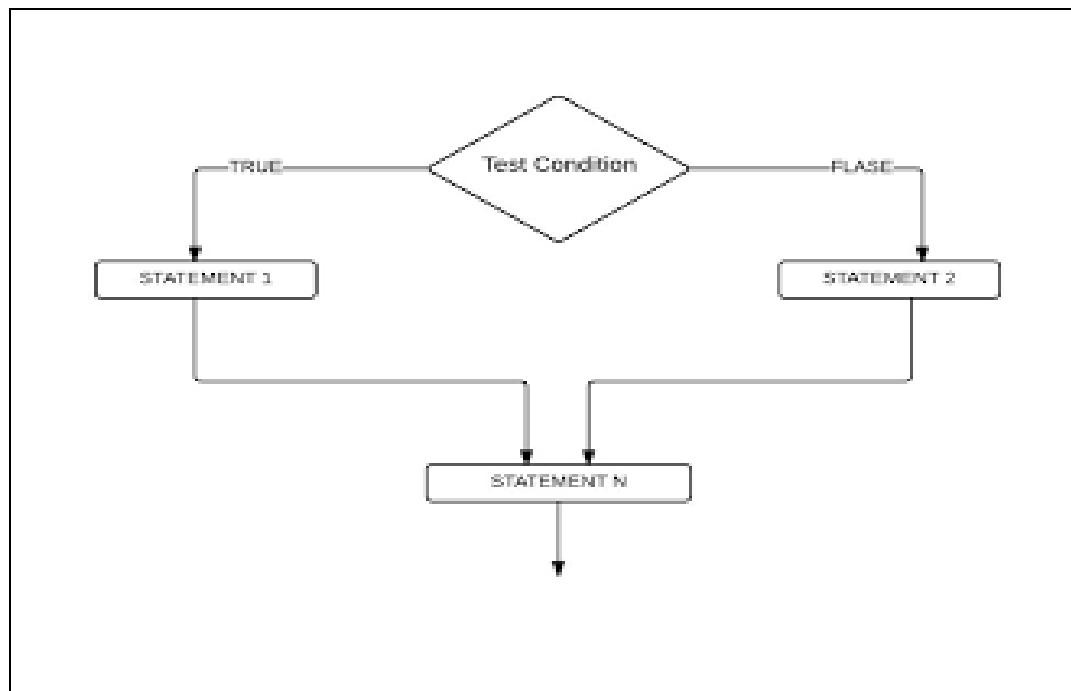
2. If...Else statement:

The 'if' statement alone tells us that if a condition is true it will execute a block of statements and if the condition is false it won't. But what if we want to do something else if the condition is false. Here comes the else statement. We can use the else statement with if statement to execute a block of code when the condition is false.

Syntax:

```
if (condition)
{
    // Executes this block if
    // condition is true
}
else
{
    // Executes this block if
    // condition is false
}
```

Flowchart:



Program:

```
<script type = "text/javaScript">

    // JavaScript program to illustrate If-else statement

    var i = 10;

    if (i < 15)

        document.write("10 is less than 15");
    else

        document.write("I am Not in if");

</script>
```

Output:

```
i is smaller than 15
```

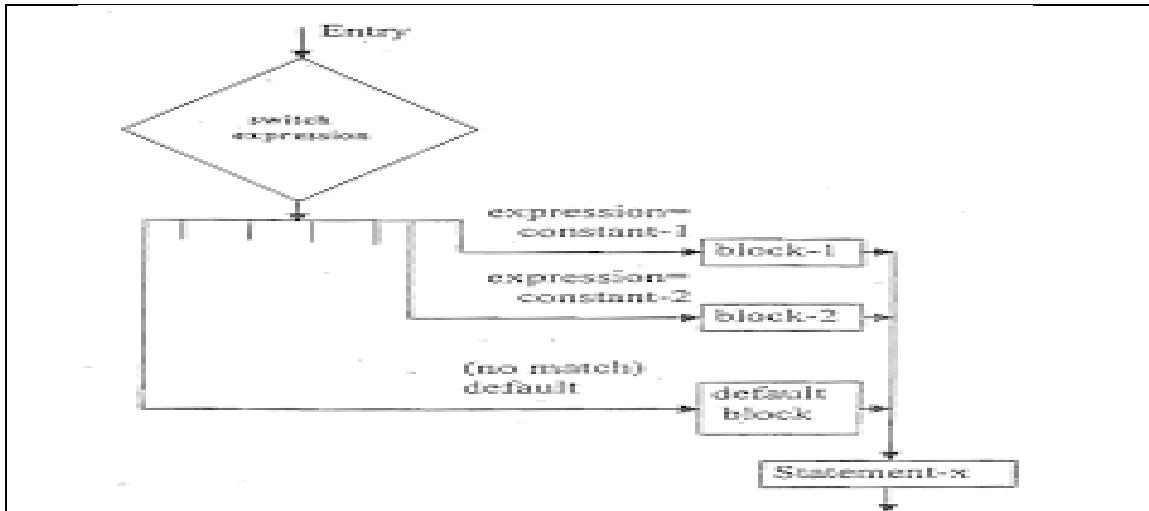
3. If...Else If ladder statement:

Here, a user can decide among multiple options. The if statements are executed from the top down. As soon as one of the conditions controlling the if is true, the statement associated with that if is executed, and the rest of the ladder is bypassed. If none of the conditions is true, then the final else statement will be executed.

Syntax:

```
if (condition)
    statement;
else if (condition)
    statement;
.
.
else
    statement;
```

Flowchart:



Program:

```

<script type = "text/javaScript">
  // JavaScript program to illustrate nested-if statement

  var i = 20;

  if (i == 10)

    document.write("i is 10");

  else if (i == 15)

    document.write("i is 15");

  else if (i == 20)

    document.write("i is 20");
  else

    document.write("i is not present");
</script>
  
```

Output:

i is 20

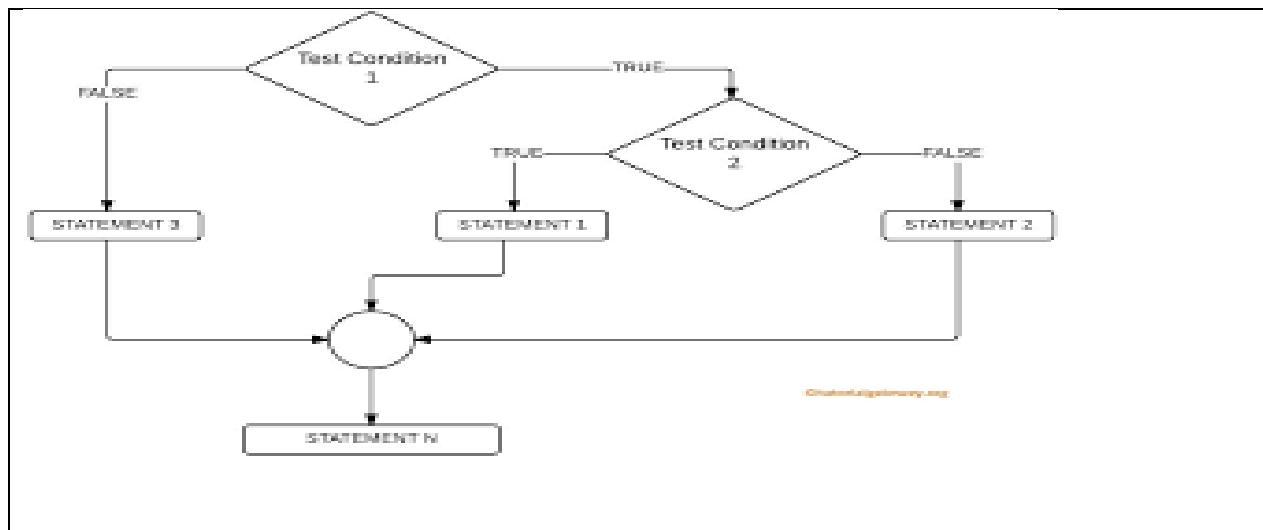
4. Nested If..Else statement:

A nested if is an if statement that is the target of another if or else. Nested if statements means an if statement inside an if statement. Yes, JavaScript allows us to nest if statements within if statements. i.e, we can place an if statement inside another if statement.

Syntax:

```
if (condition1)
{
    // Executes when condition1 is true
    if (condition2)
    {
        // Executes when condition2 is true
    }
}
```

Flowchart:



Program:

```
<script type = "text/javaScript">
    // JavaScript program to illustrate nested-if statement

    var i = 10;

    if (i == 10)
    {

        // First if statement
        if (i < 15)
            document.write("i is smaller than 15");

        // Nested - if statement
        // Will only be executed if statement above
        // it is true
        if (i < 12)
            document.write("i is smaller than 12 too");
        else
            document.write("i is greater than 15");
    }
</script>
```

Output:

```
i is smaller than 15
i is smaller than 12 too
```

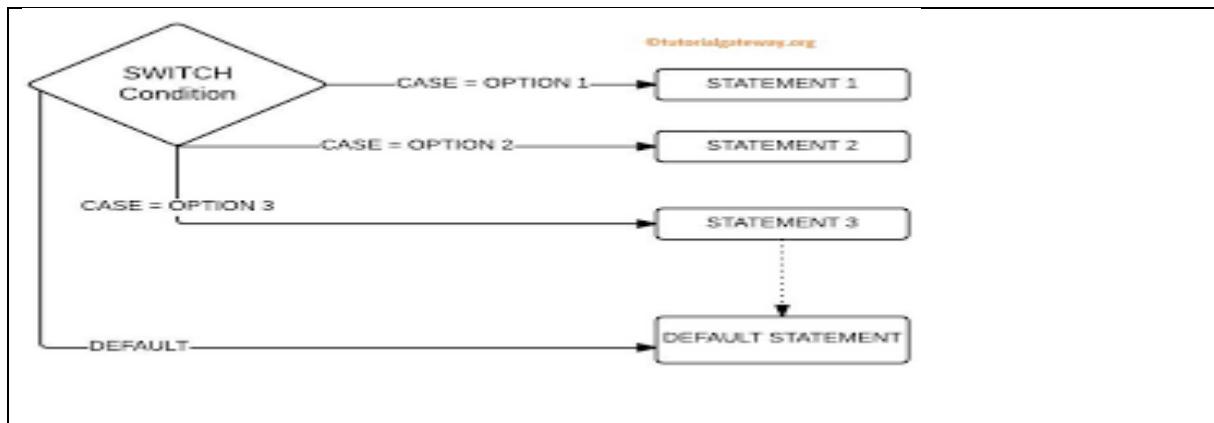
- **Switch Case in JavaScript:**

The switch case statement in JavaScript is also used for decision making purposes. In some cases, using the switch case statement is seen to be more convenient over if-else statements. Consider a situation when we want to test a variable for hundred different values and based on the test we want to execute some task.

The switch case statement is a multiway branch statement. It provides an easy way to dispatch execution to different parts of code based on the value of the expression.

Syntax:

```
switch (expression)
{
    case value1:
        statement1;
        break;
    case value2:
        statement2;
        break;
    .
    case valueN:
        statement;
        break;
    default:
        statementDefault;
}
```

Flowchart:**Program:**

```
<script type = "text/javascript">

// JavaScript program to illustrate switch-case

var i = 9;
switch (i)
{
    case 0:
        document.write("i is zero.");
        break;
    case 1:
        document.write("i is one.");
        break;
    case 2:
        document.write("i is two.");
        break;
    default:
        document.write("i is greater than 2.");
}
</script>
```

Output:

i is greater than 2.

QUESTIONS:-

- ## 1. What is the syntax for IF and ELSE condition?

2. Can we use if condition in HTML? Why?

- ### 3. What is difference between IF and ELSE IF?

4. What is decision control structure? Why?

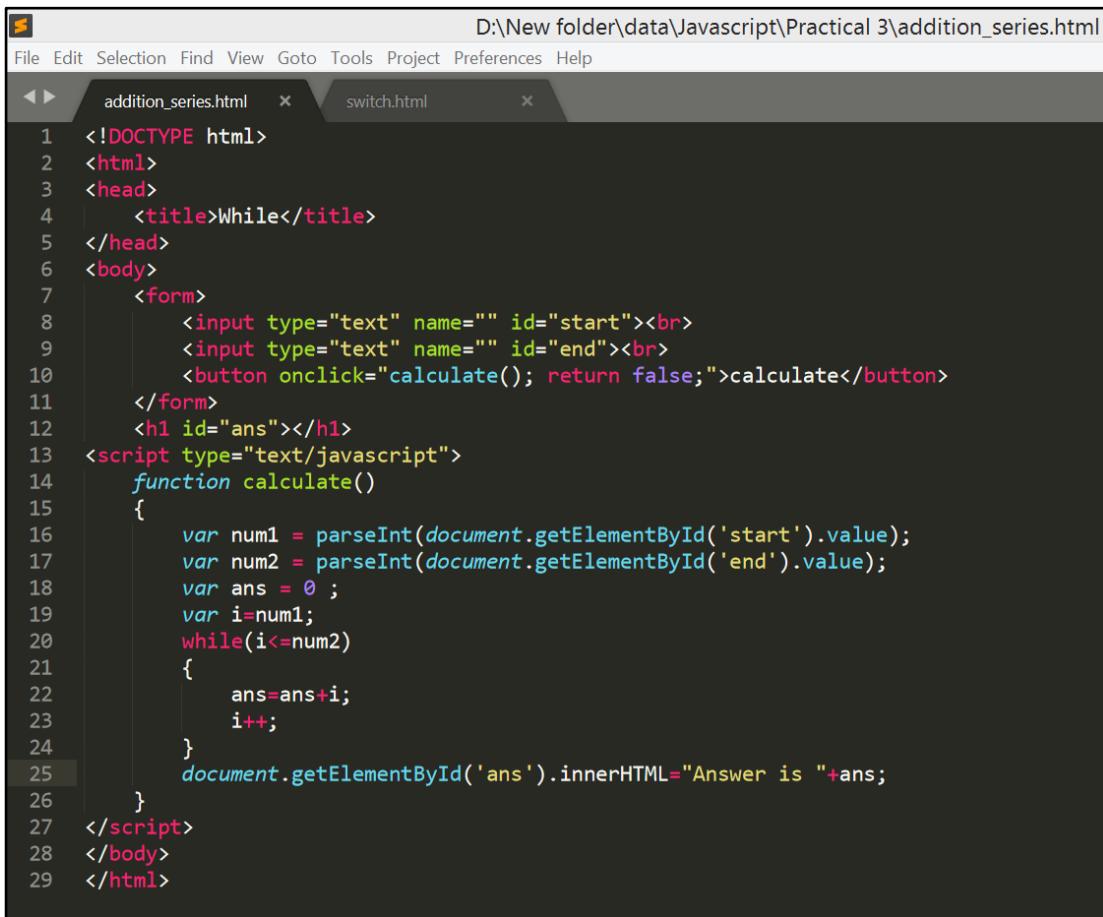
Conclusion:

P									Total	Signature	Date			
C			P			A								
6			10			4								
2	2	2	3	3	4	2	1	1						

“While” Loop: -

- Program to print sum of given no of series

Source Code -



```

D:\New folder\data\Javascript\Practical 3\addition_series.html

File Edit Selection Find View Goto Tools Project Preferences Help
addition_series.html switch.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>While</title>
5 </head>
6 <body>
7   <form>
8     <input type="text" name="" id="start"><br>
9     <input type="text" name="" id="end"><br>
10    <button onclick="calculate(); return false;">calculate</button>
11  </form>
12  <h1 id="ans"></h1>
13 <script type="text/javascript">
14   function calculate()
15   {
16     var num1 = parseInt(document.getElementById('start').value);
17     var num2 = parseInt(document.getElementById('end').value);
18     var ans = 0 ;
19     var i=num1;
20     while(i<=num2)
21     {
22       ans=ans+i;
23       i++;
24     }
25     document.getElementById('ans').innerHTML="Answer is "+ans;
26   }
27 </script>
28 </body>
29 </html>

```

Output -



- **Program to find factorial of given number**

Source Code -

The screenshot shows a Sublime Text window with two tabs: 'switch.html' and 'while2.html'. The 'while2.html' tab is active and displays the following HTML and JavaScript code:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>While</title>
5  </head>
6  <body>
7  <form>
8      <input type="text" name="" id="num"><br>
9      <button onclick="calculate(); return false;">Calculate</button>
10 </form>
11 <h1 id="ans"></h1>
12 <script type="text/javascript">
13     function calculate()
14     {
15         var num = parseInt(document.getElementById('num').value);
16         var ans = 1;
17         var num2=num;
18         while(num2>=1)
19         {
20             ans=ans*num2;
21             num2--;
22         }
23     document.getElementById('ans').innerHTML = "Factorial is "+ ans;
24 </script>
25 </body>
26 </html>
```

Output -



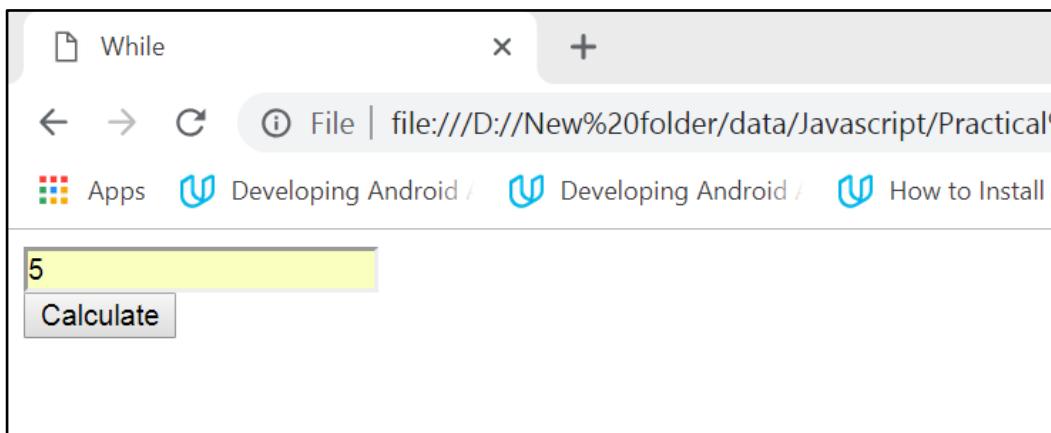
“Do While” loop

- Program to print given number

Source Code –

```
<!DOCTYPE html>
<html>
<head>
<title>While</title>
</head>
<body>
<form>
<input type="text" name="" id="num"><br>
<button onclick="calculate(); return false;">Calculate</button>
</form>
<h1 id="ans"></h1>
<script type="text/javascript">
function calculate()
{
    var num = parseInt(document.getElementById('num').value);
    var ans = 1;
    do
    {
        document.write("<h3>" + (ans * num) + "</h3>");
        ans++;
    }while(ans<=10);
    document.write("<h2>" + "Square of number is " + (num * num) + "</h2>");
}
</script>
</body>
</html>
```

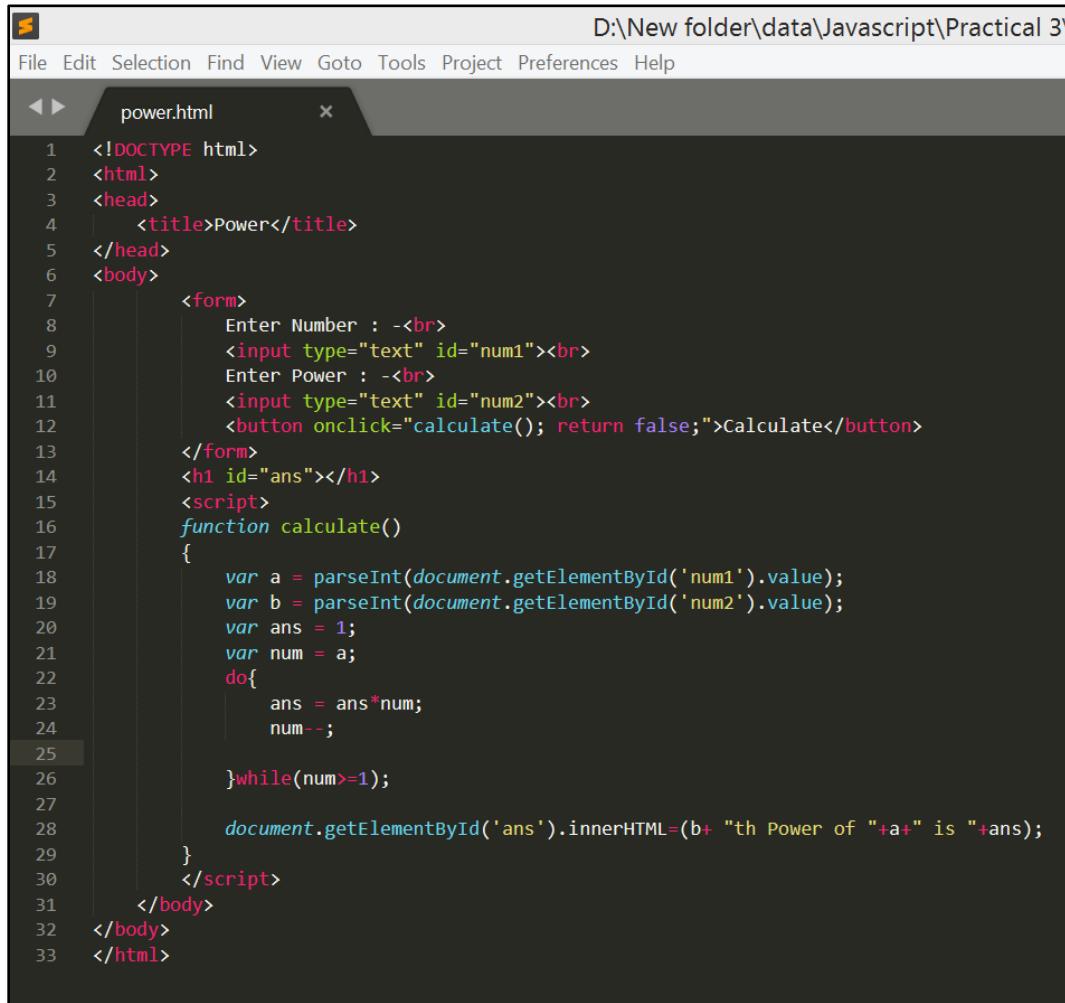
Output –





- **Program to print power of that value**

Source Code –



```

D:\New folder\data\Javascript\Practical 3\power.html

File Edit Selection Find View Goto Tools Project Preferences Help
power.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Power</title>
5 </head>
6 <body>
7   <form>
8     Enter Number : -<br>
9     <input type="text" id="num1"><br>
10    Enter Power : -<br>
11    <input type="text" id="num2"><br>
12    <button onclick="calculate(); return false;">Calculate</button>
13  </form>
14  <h1 id="ans"></h1>
15  <script>
16    function calculate()
17    {
18      var a = parseInt(document.getElementById('num1').value);
19      var b = parseInt(document.getElementById('num2').value);
20      var ans = 1;
21      var num = a;
22      do{
23        ans = ans*num;
24        num--;
25      }
26      while(num>=1);
27
28      document.getElementById('ans').innerHTML=(b+ "th Power of "+a+" is "+ans);
29    }
30  </script>
31 </body>
32 </html>

```

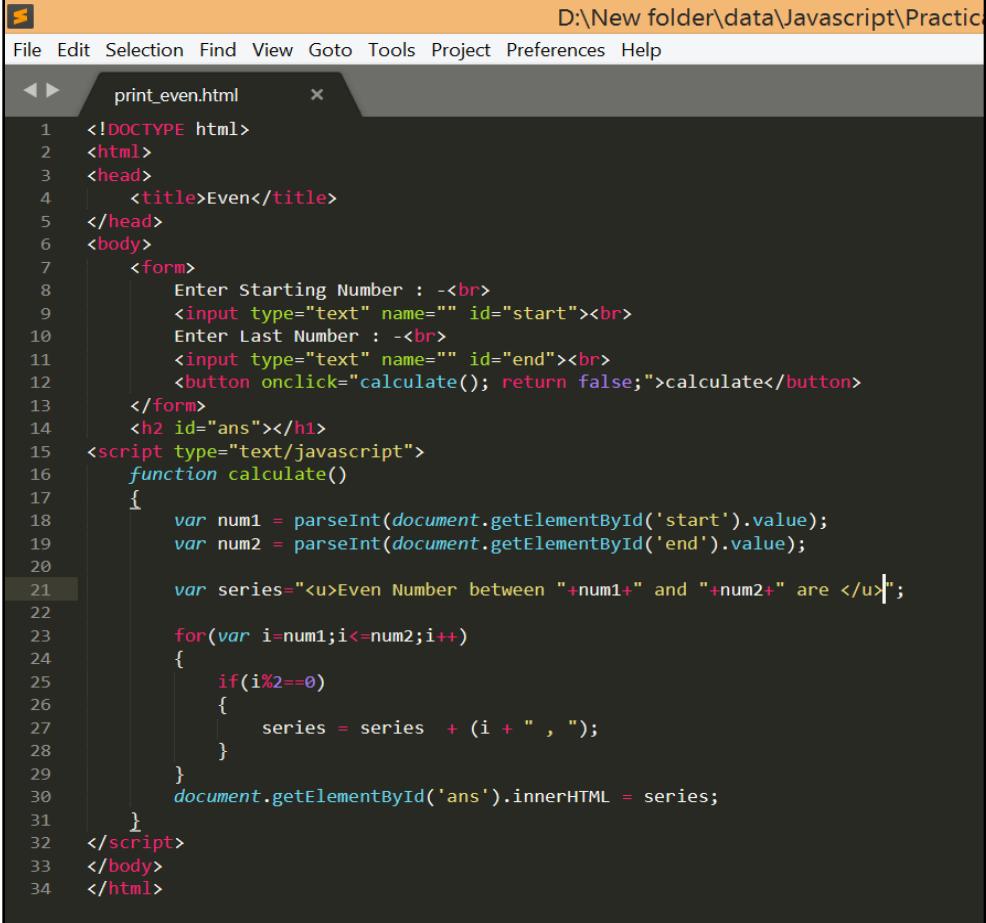
Output –



“For” loop

- **Program to print even number in given series**

Source Code –

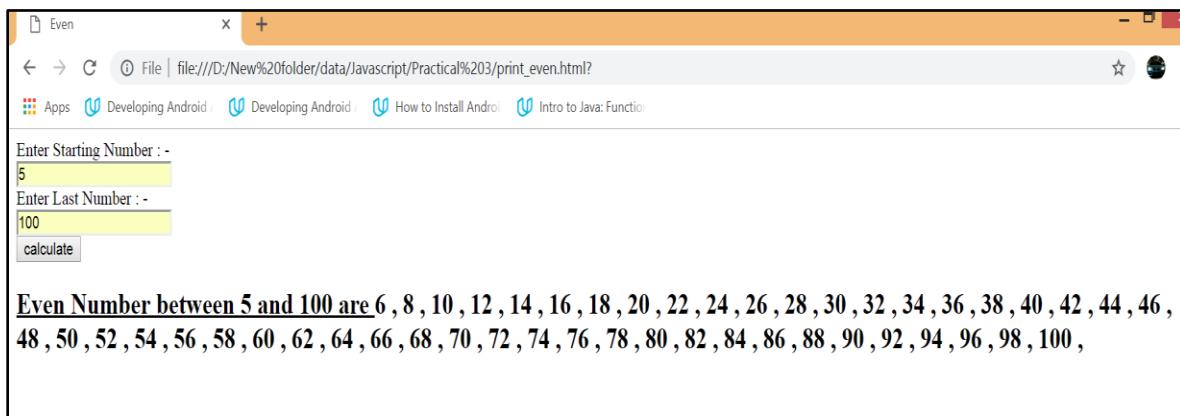


```

D:\New folder\data\Javascript\Practic
File Edit Selection Find View Goto Tools Project Preferences Help
print_even.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Even</title>
5 </head>
6 <body>
7   <form>
8     Enter Starting Number : -<br>
9     <input type="text" name="" id="start"><br>
10    Enter Last Number : -<br>
11    <input type="text" name="" id="end"><br>
12    <button onclick="calculate(); return false;">calculate</button>
13  </form>
14  <h2 id="ans"></h1>
15 <script type="text/javascript">
16   function calculate()
17   {
18     var num1 = parseInt(document.getElementById('start').value);
19     var num2 = parseInt(document.getElementById('end').value);
20
21     var series=<u>Even Number between "&num1+" and "&num2+" are </u>";
22
23     for(var i=num1;i<=num2;i++)
24     {
25       if(i%2==0)
26       {
27         series = series + (i + " , ");
28       }
29     }
30     document.getElementById('ans').innerHTML = series;
31   }
32 </script>
33 </body>
34 </html>

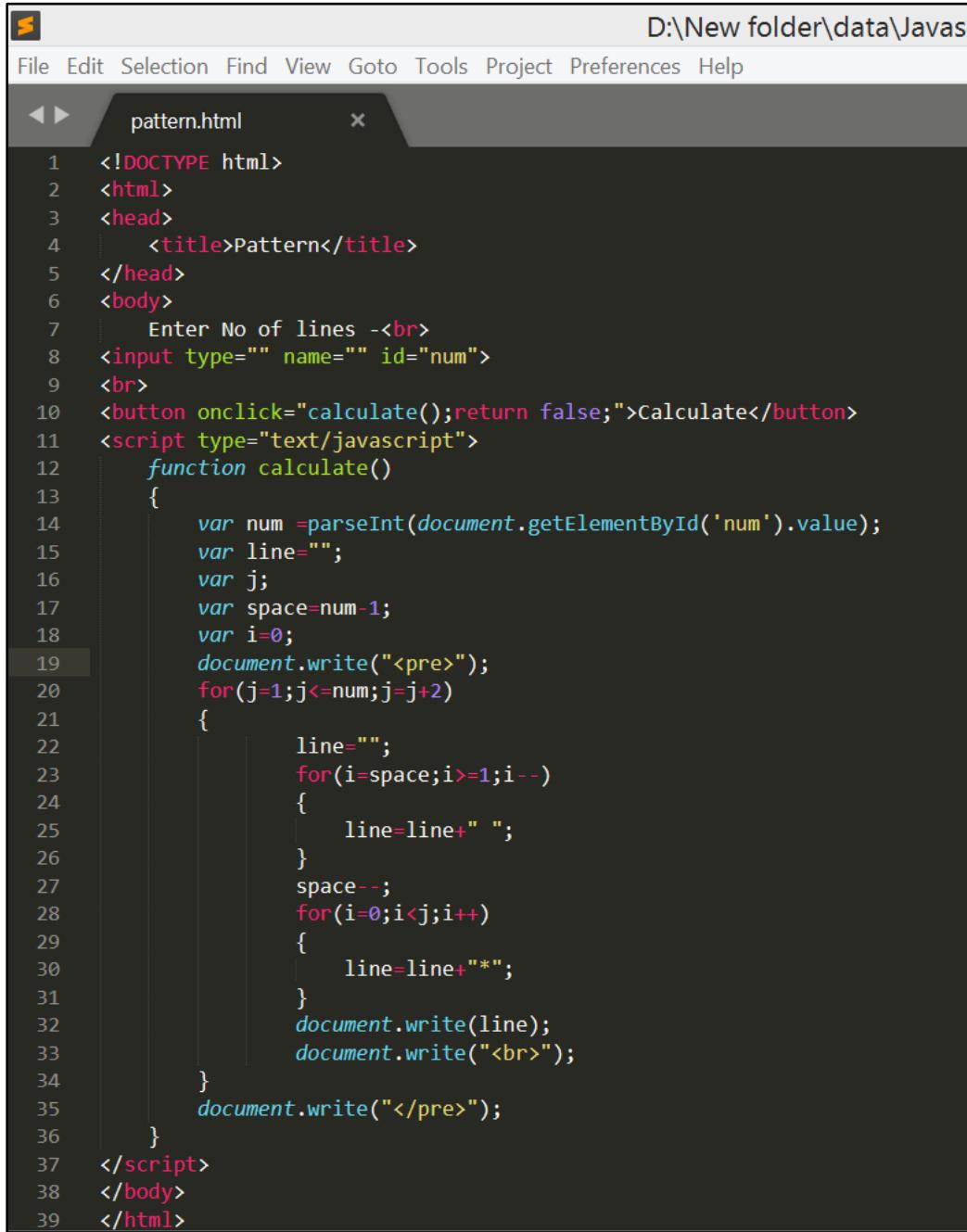
```

Output –



- Program to print pyramid of “ * ”

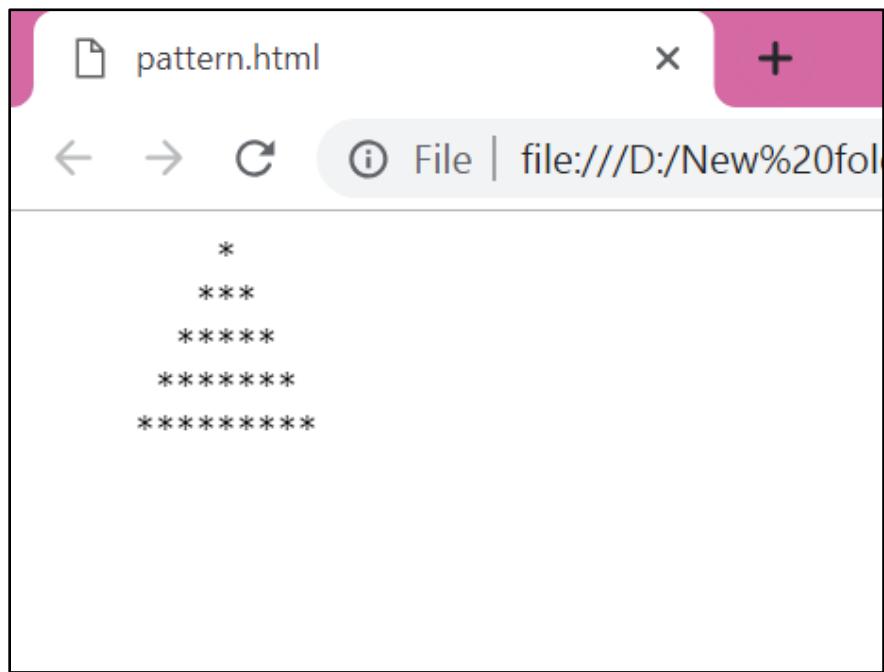
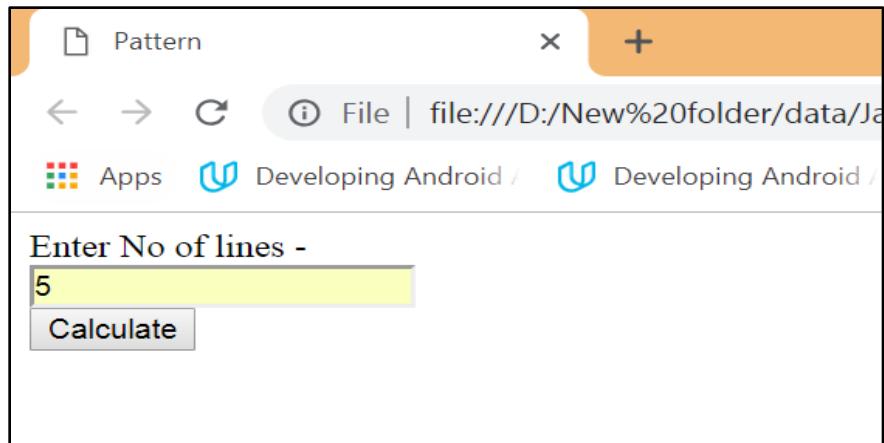
Source code -



The screenshot shows a Java code editor window titled "pattern.html". The file path "D:\New folder\data\Javas" is displayed at the top right. The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. The code itself is a script that prompts the user for the number of lines and then prints a pyramid of asterisks. The code uses document.write to output the HTML and JavaScript.

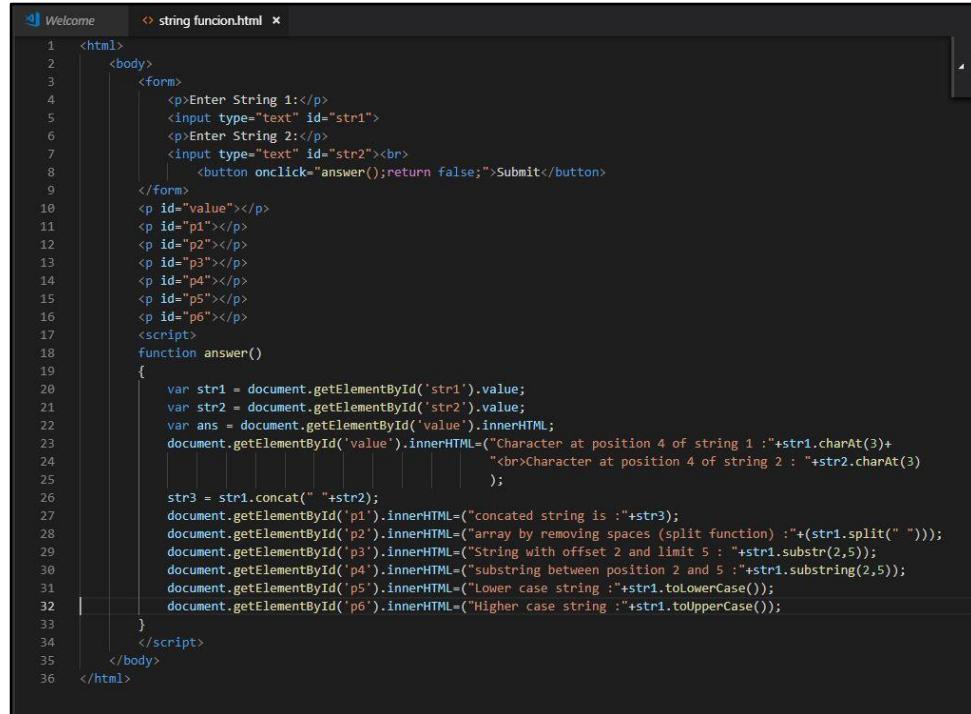
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Pattern</title>
5 </head>
6 <body>
7     Enter No of lines -<br>
8 <input type="" name="" id="num">
9 <br>
10 <button onclick="calculate();return false;">Calculate</button>
11 <script type="text/javascript">
12     function calculate()
13     {
14         var num =parseInt(document.getElementById('num').value);
15         var line="";
16         var j;
17         var space=num-1;
18         var i=0;
19         document.write("<pre>");
20         for(j=1;j<=num;j=j+2)
21         {
22             line="";
23             for(i=space;i>=1;i--)
24             {
25                 line=line+" ";
26             }
27             space--;
28             for(i=0;i<j;i++)
29             {
30                 line=line+"*";
31             }
32             document.write(line);
33             document.write("<br>");
34         }
35         document.write("</pre>");
36     }
37 </script>
38 </body>
39 </html>
```

Output –



Program to perform Various string function

Source code –

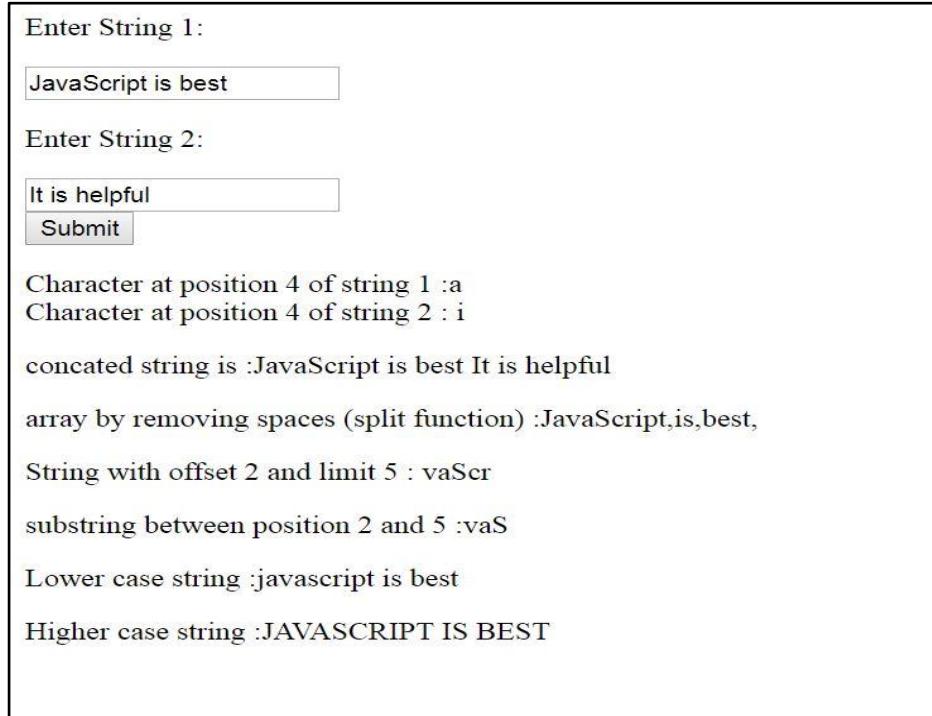


```

1 <html>
2   <body>
3     <form>
4       <p>Enter String 1:</p>
5       <input type="text" id="str1">
6       <p>Enter String 2:</p>
7       <input type="text" id="str2"><br>
8       <button onclick="answer();return false;">Submit</button>
9     </form>
10    <p id="value"></p>
11    <p id="p1"></p>
12    <p id="p2"></p>
13    <p id="p3"></p>
14    <p id="p4"></p>
15    <p id="p5"></p>
16    <p id="p6"></p>
17    <script>
18      function answer()
19      {
20        var str1 = document.getElementById('str1').value;
21        var str2 = document.getElementById('str2').value;
22        var ans = document.getElementById('value').innerHTML;
23        document.getElementById('value').innerHTML=( "Character at position 4 of string 1 :" +str1.charAt(3) +
24                                              "<br>Character at position 4 of string 2 : " +str2.charAt(3)
25                                              );
26        str3 = str1.concat(" "+str2);
27        document.getElementById('p1').innerHTML=(concatenated string is :" +str3);
28        document.getElementById('p2').innerHTML=( "Array by removing spaces (split function) :" +(str1.split(" ")));
29        document.getElementById('p3').innerHTML=( "String with offset 2 and limit 5 : " +str1.substr(2,5));
30        document.getElementById('p4').innerHTML=( "substring between position 2 and 5 :" +str1.substring(2,5));
31        document.getElementById('p5').innerHTML=( "Lower case string :" +str1.toLowerCase());
32        document.getElementById('p6').innerHTML=( "Higher case string :" +str1.toUpperCase());
33      }
34    </script>
35  </body>
36 </html>

```

Output-



Enter String 1:
JavaScript is best

Enter String 2:
It is helpful

Submit

Character at position 4 of string 1 :a
 Character at position 4 of string 2 : i
 concatenated string is :JavaScript is best It is helpful
 array by removing spaces (split function) :JavaScript,is,best,
 String with offset 2 and limit 5 : vaScr
 substring between position 2 and 5 :vaS
 Lower case string :javascript is best
 Higher case string :JAVASCRIPT IS BEST

Program to reverse string

Source code –

The screenshot shows a code editor window with a dark theme. The title bar says "Welcome" and the file name is "string_reverse.html". The code is written in HTML and JavaScript. It contains a form with an input field for entering a string and a button to submit it. The button's onclick event calls a function named "reverse". Inside the "reverse" function, the string is stored in "str", converted into an array "arr", and then pushed back into "str" in reverse order. Finally, the reversed string is displayed in a paragraph with the id "ans".

```
<html>
<body>
<form>
<p>Enter String :</p>
<input type="text" id="str1">
<button onclick="reverse();return false;">Submit</button>
</form>
<p id="ans"></p>
<script>
function reverse()
{
    var str =document.getElementById('str1').value;
    var arr = [];
    for(var i=str.length-1;i>=0;i--)
    {
        arr.push(str[i]);
    }
    document.getElementById('ans').innerHTML=arr;
}
</script>
</body>
</html>
```

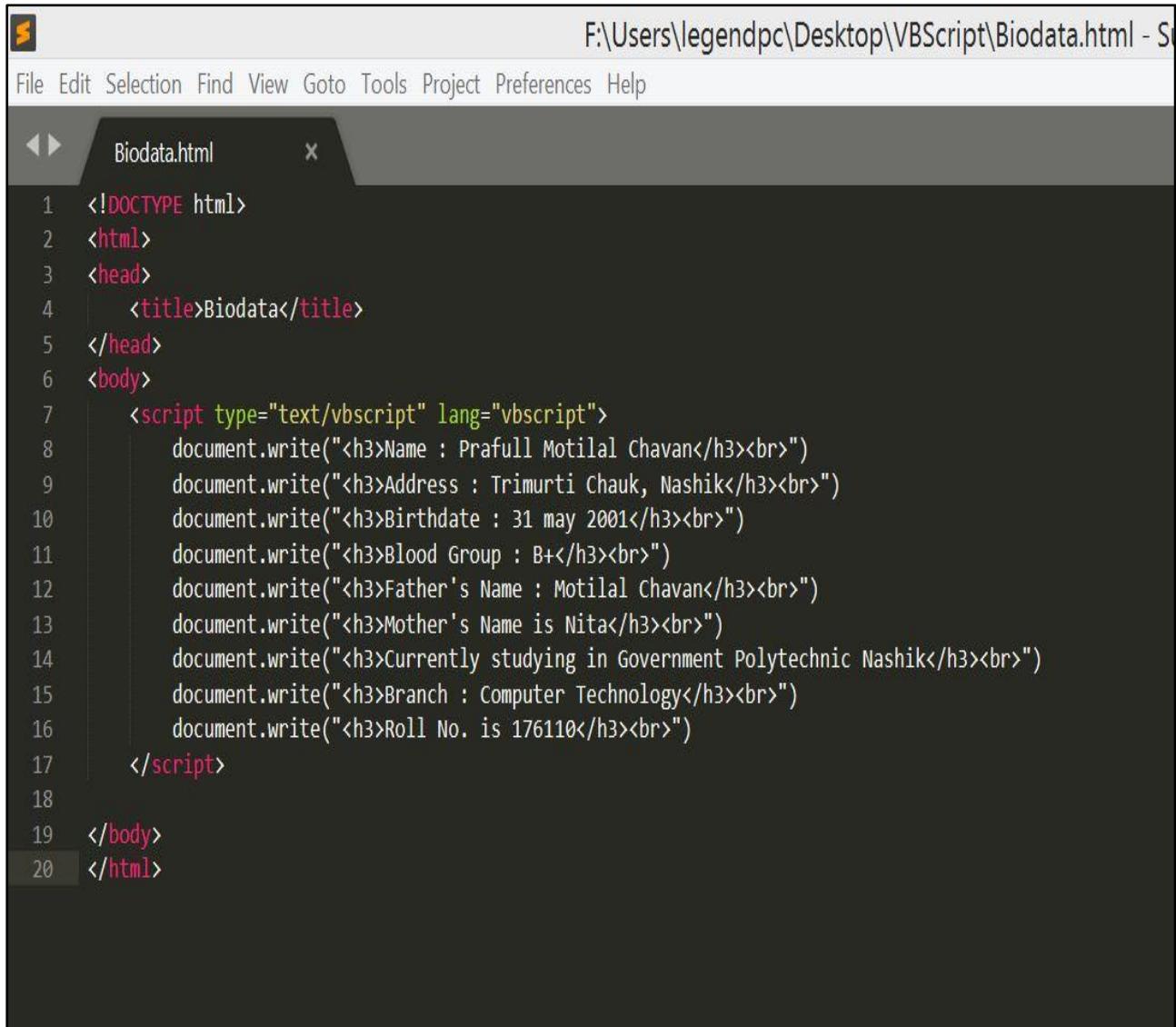
Output-

The screenshot shows a web page with a light gray background. At the top, there is a text input field containing the placeholder "Enter String :". Below it is a button labeled "Submit". Underneath the input field, the text "Prafull" is entered. To the right of the input field is a "Submit" button. Below the input field, the reversed string "l,l,u,f,a,r,P" is displayed.

"VB Script"

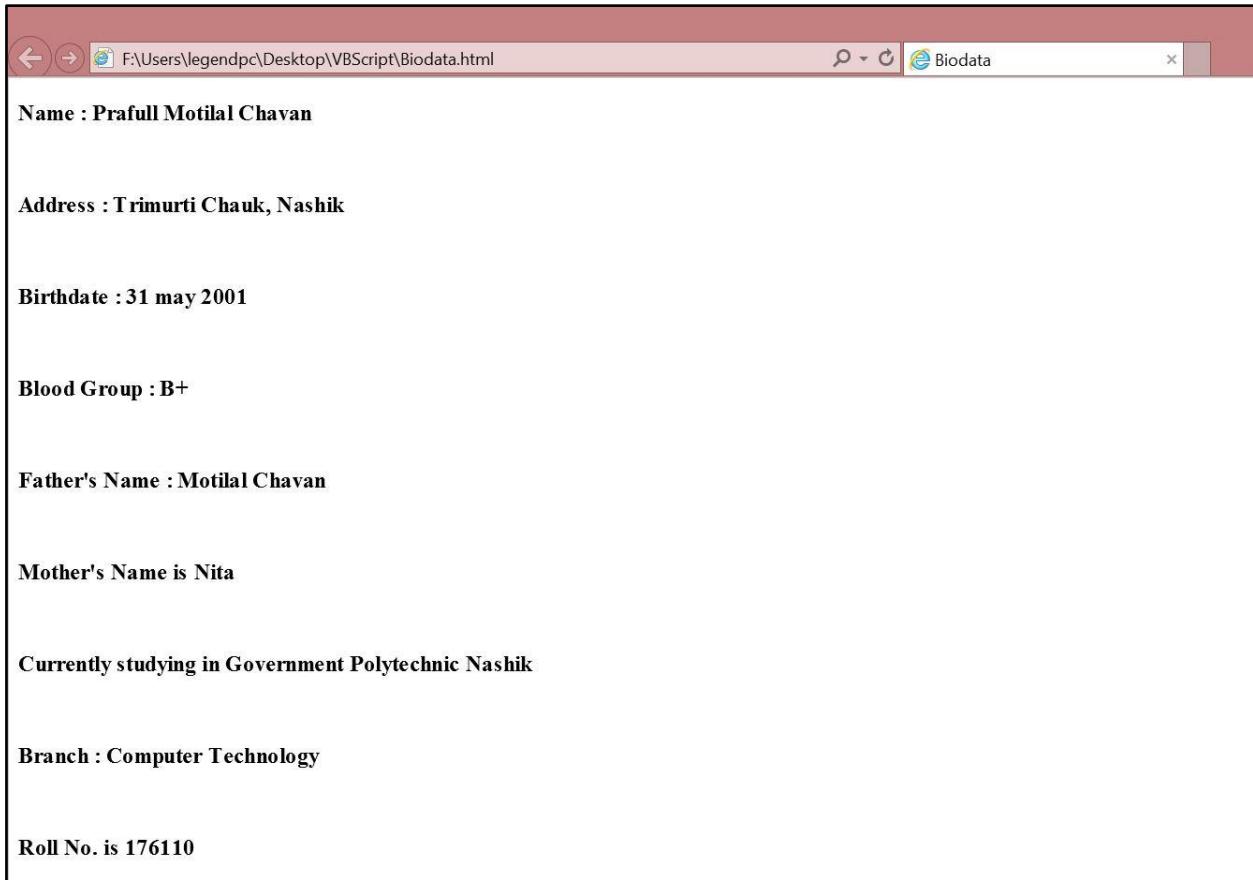
- **Program to print Bio-Data using VB Script :-**

Source Code -



The screenshot shows a Notepad window with the file name 'Biodata.html'. The code is a VBScript embedded within an HTML document. The script prints various personal details using document.write statements.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Biodata</title>
5 </head>
6 <body>
7     <script type="text/vbscript" lang="vbscript">
8         document.write("<h3>Name : Prafull Motilal Chavan</h3><br>")
9         document.write("<h3>Address : Trimurti Chauk, Nashik</h3><br>")
10        document.write("<h3>Birthdate : 31 may 2001</h3><br>")
11        document.write("<h3>Blood Group : B+</h3><br>")
12        document.write("<h3>Father's Name : Motilal Chavan</h3><br>")
13        document.write("<h3>Mother's Name is Nita</h3><br>")
14        document.write("<h3>Currently studying in Government Polytechnic Nashik</h3><br>")
15        document.write("<h3>Branch : Computer Technology</h3><br>")
16        document.write("<h3>Roll No. is 176110</h3><br>")
17    </script>
18
19 </body>
20 </html>
```

Output -

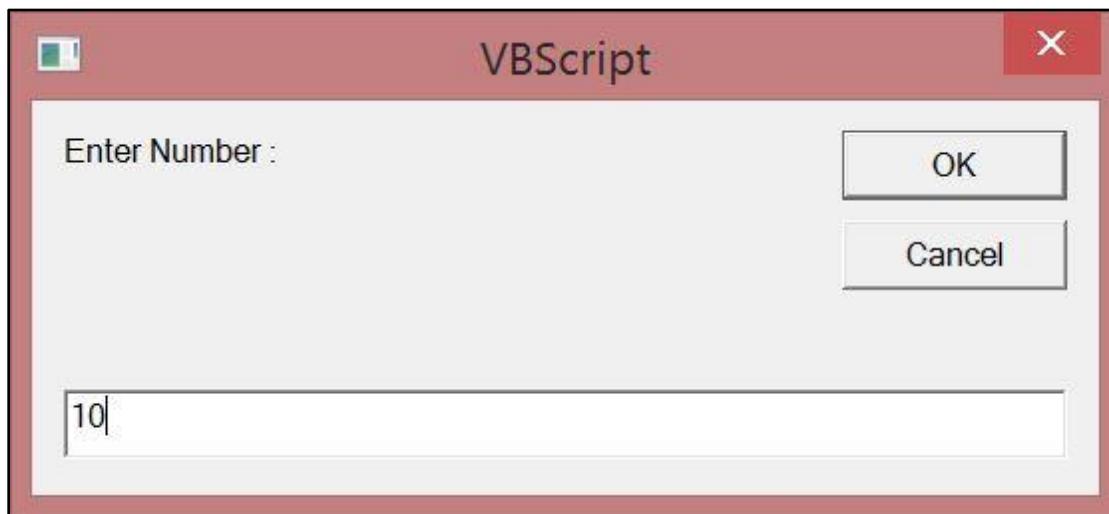
- **Program to check number is even or odd using VB Script**

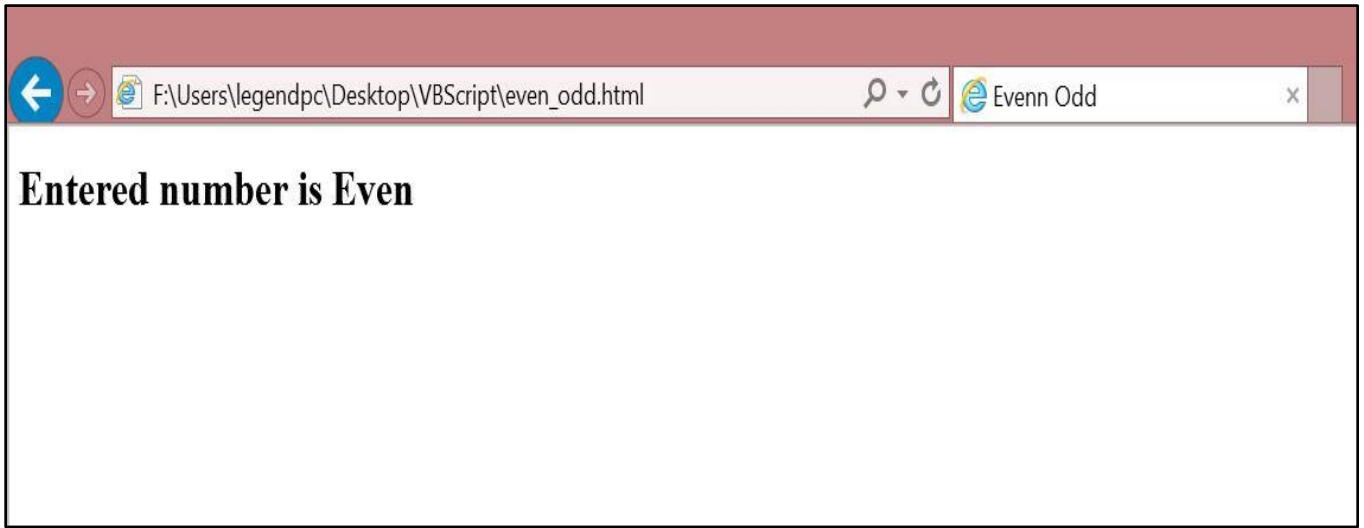
Source Code -

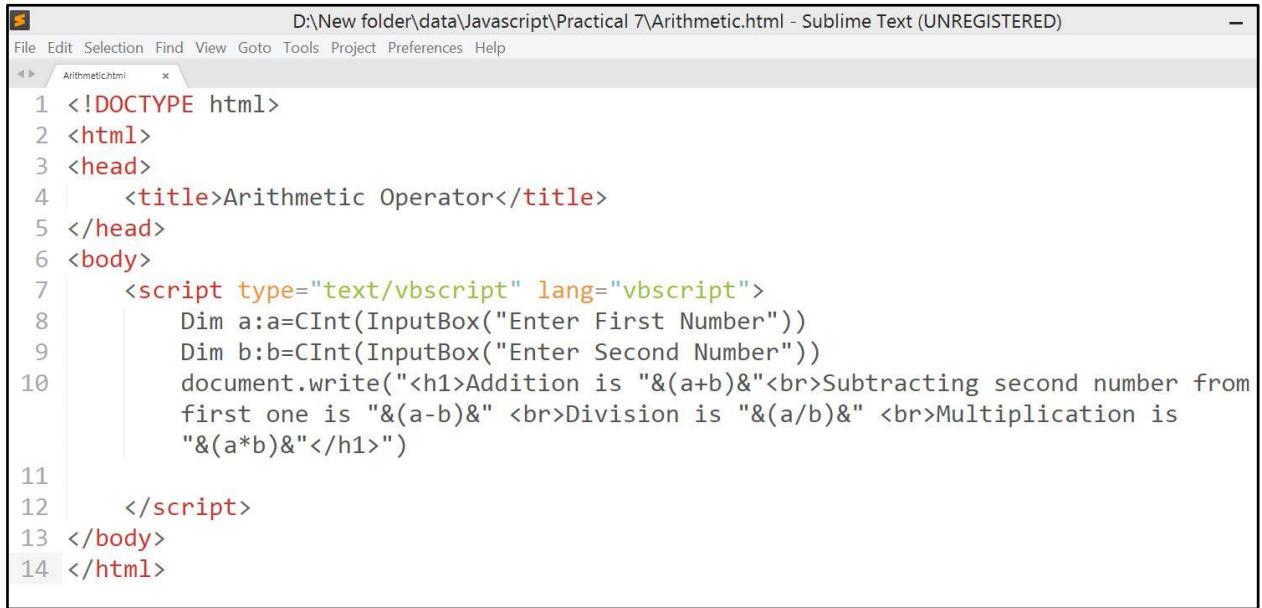
The screenshot shows a Sublime Text editor window with the file 'even_odd.html' open. The code is written in VBScript and checks if a user-entered number is even or odd. It uses an If-Else statement to determine the output based on the remainder of the division by 2.

```
<title>Even Odd</title>
</head>
<body>
<script type="text/vbscript" lang="vbscript">
    Dim num
    num = CInt(InputBox("Enter Number : "))
    If num MOD 2 = 0 Then
        document.write("<h1>Entered number is Even</h1>")
    Else
        document.write("<h1>Entered number is Odd</h1>")
    End If
</script>
</body>
</html>
```

Output -



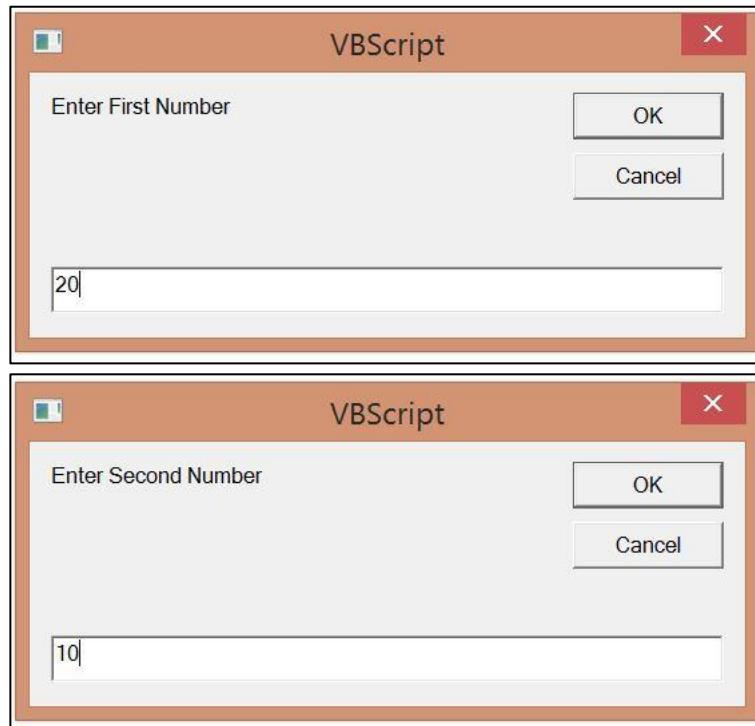


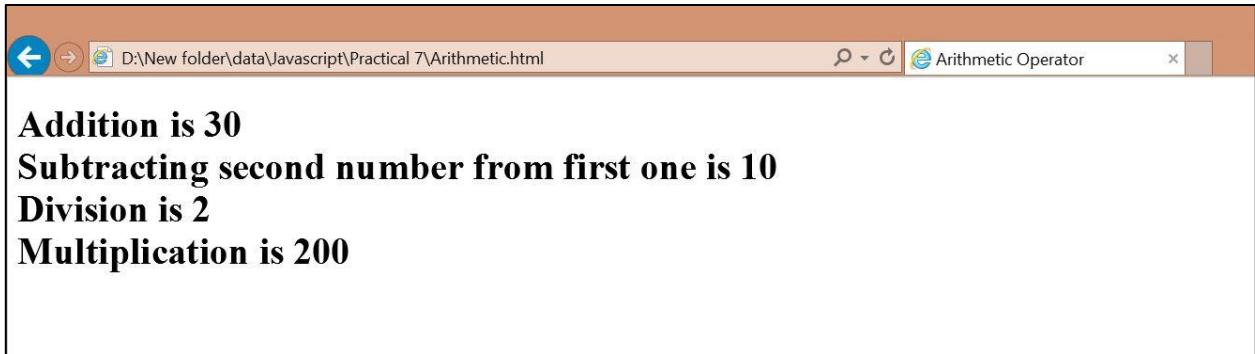
“VB Script”**Program to implement Arithmetic Operator****Source code –**


```

D:\New folder\data\Javascript\Practical 7\Arithmetic.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
Arithmetic.html x
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Arithmetic Operator</title>
5 </head>
6 <body>
7     <script type="text/vbscript" lang="vbscript">
8         Dim a:a=CInt(InputBox("Enter First Number"))
9         Dim b:b=CInt(InputBox("Enter Second Number"))
10        document.write("<h1>Addition is "&(a+b)&"<br>Subtracting second number from
11        first one is "&(a-b)&"<br>Division is "&(a/b)&"<br>Multiplication is
12        "&(a*b)&"</h1>")
13     </script>
14 </body>
15 </html>

```

Output-



“Program to implement Conditional Operator”

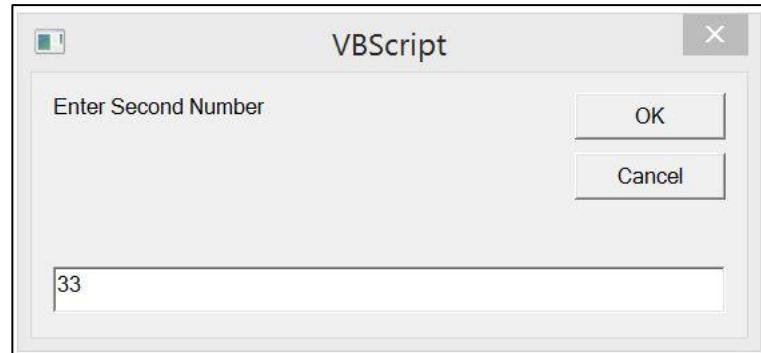
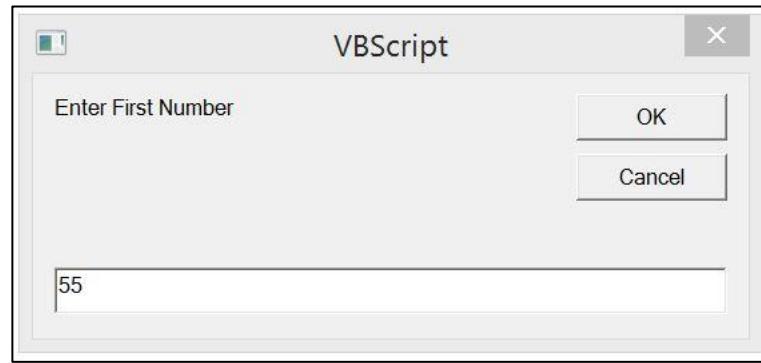
Source code –

```
D:\New folder\data\Javascript\Practical 7\conditional.html - Sublime Text (UNRE)
File Edit Selection Find View Goto Tools Project Preferences Help
conditional.html x logical.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Conditional Operator</title>
5 </head>
6 <body>
7   <script type="text/vbscript" lang="vbscript">
8     Dim a:a=CInt(InputBox("Enter First Number"))
9     Dim b:b=CInt(InputBox("Enter Second Number"))
10    Dim c:c = ""
11    If a>b Then
12      c=<h1>Both number are not equal </h1>""
13    End If
14    If a > b Then
15      document.write(c&"<h1>First number("&a&") is greater than second number("&b&") </h1>")
16    ElseIf a < b Then
17      document.write(c&"<h1>First number("&a&") is less than second number("&b&") </h1>")
18    Elseif a = b Then
19      document.write(c&"<h1>First number("&a&") is equal to second number("&b&") </h1>")
20    End If
21
22   </script>
23 </body>
24 </html>
```

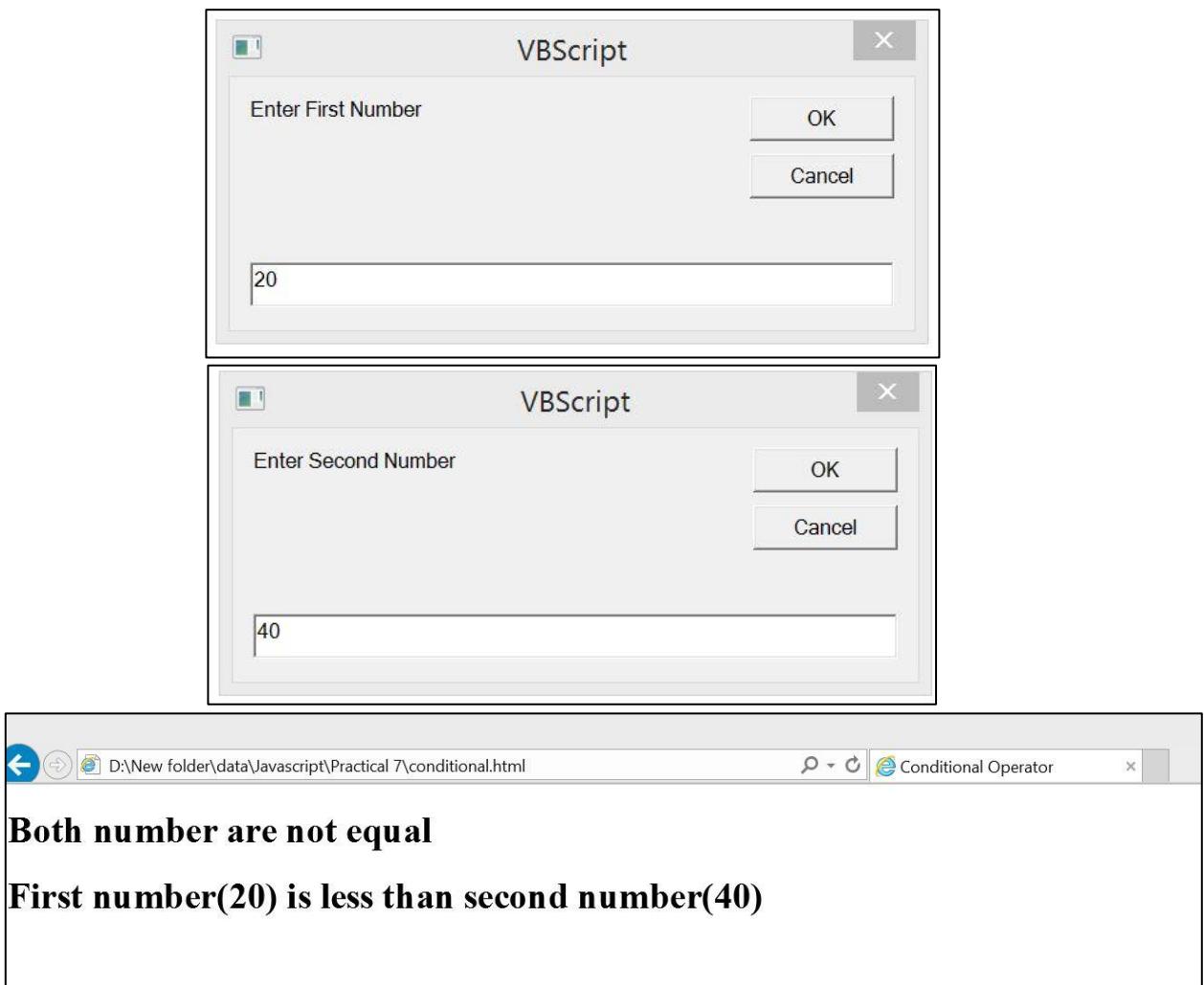
Output-

First Execution





Second Execution



"Program to implement Logical Operator"

Source Code –

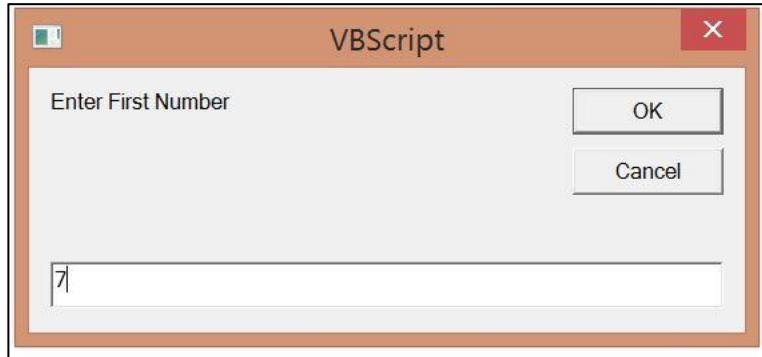
```

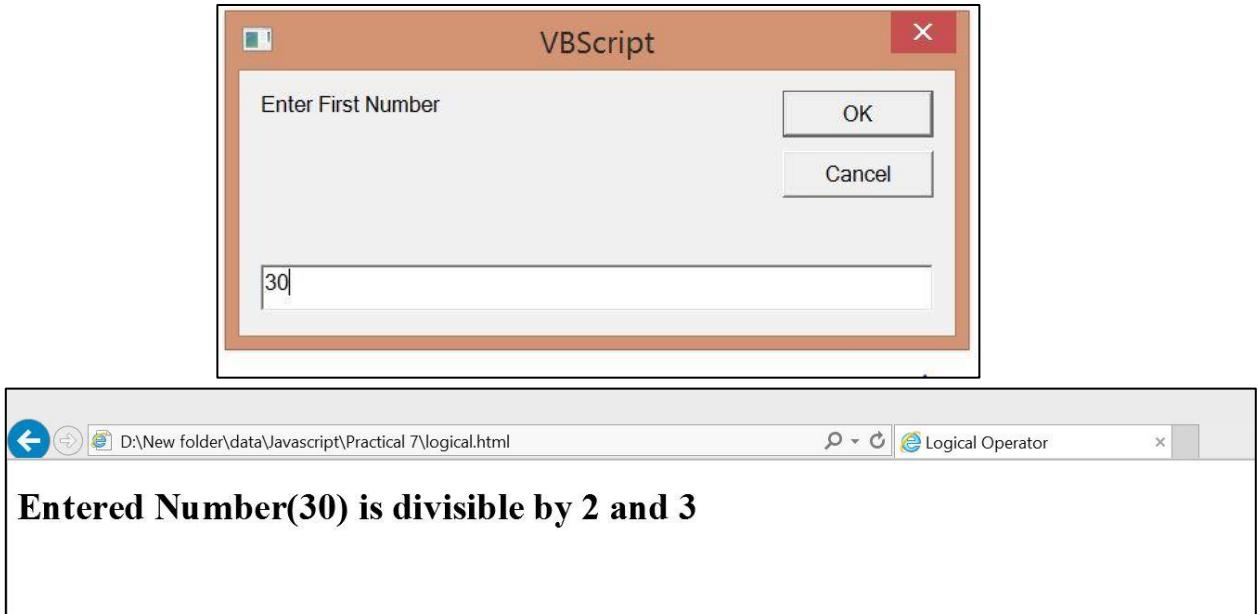
D:\New folder\data\Javascript\Practical 7\logical.html • - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
conditional.html logical.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Logical Operator</title>
5 </head>
6 <body>
7   <script type="text/vbscript" lang="vbscript">
8     Dim a:a=CInt(InputBox("Enter First Number"))
9     If a MOD 2 = 0 AND a MOD 3 = 0 Then
10       document.write("<h1>Entered Number("&a&") is divisible by 2 and 3</h1>")
11     ElseIf a MOD 2 = 0 OR a MOD 3 = 0 Then
12
13       If NOT a MOD 2 = 0 Then
14         document.write("<h1>Entered Number("&a&") is divisible by 3 and it is not divisible by 2</h1>")
15       ElseIf NOT a MOD 3 = 0 Then
16         document.write("<h1>Entered Number("&a&") is divisible by 2 and it is not divisible by 3</h1>")
17       End If
18     Else
19       document.write("<h1>Entered Number("&a&") is not divisible by 2 and 3</h1>")
20     End If
21   </script>
22 </body>
23 </html>

```

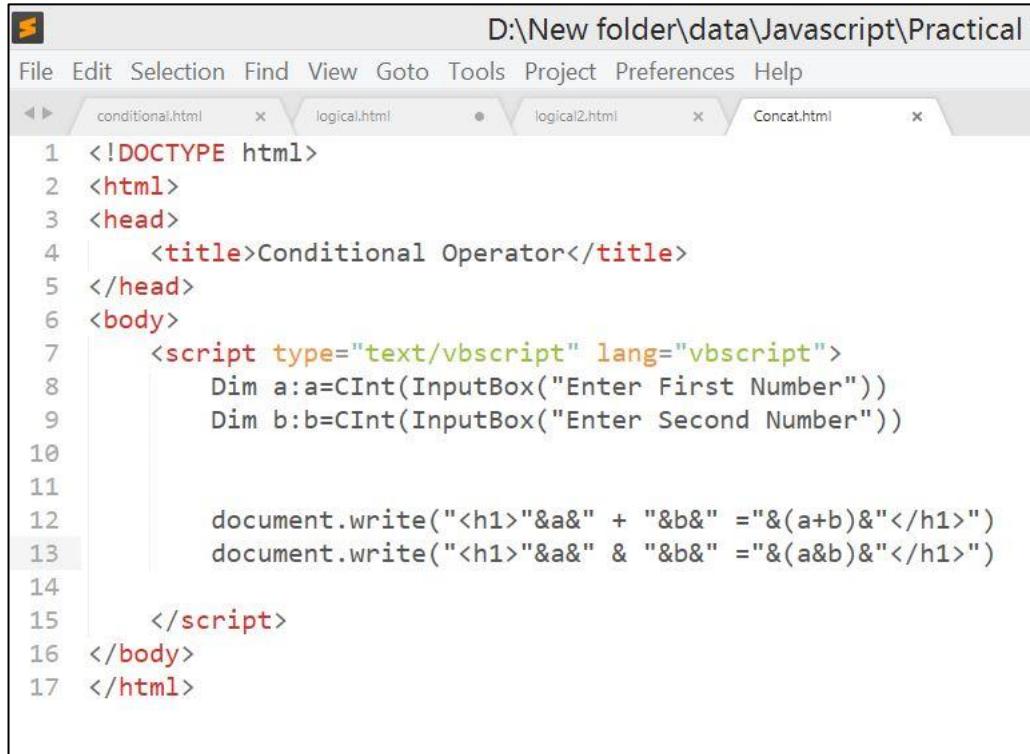
Output-





“Program to implement Concatenation Operator”

Source Code-

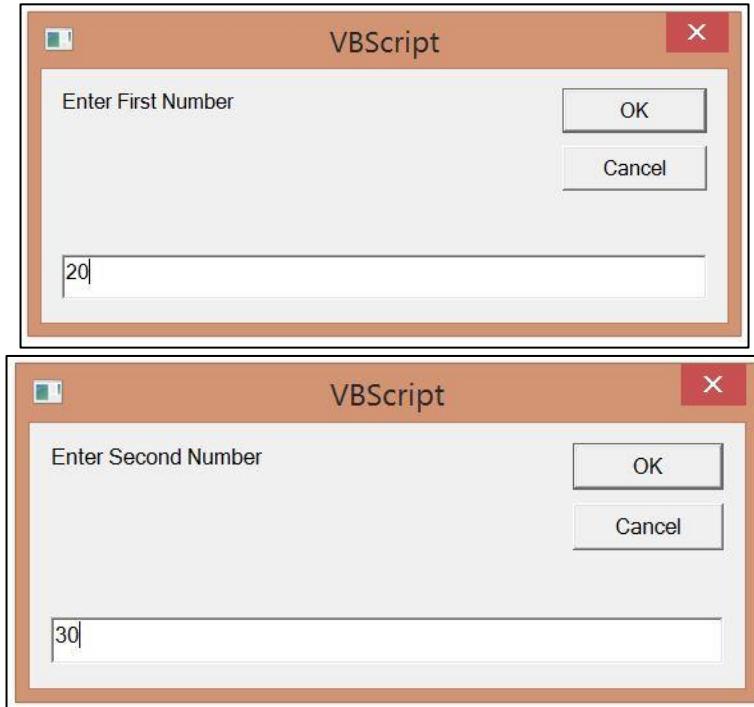


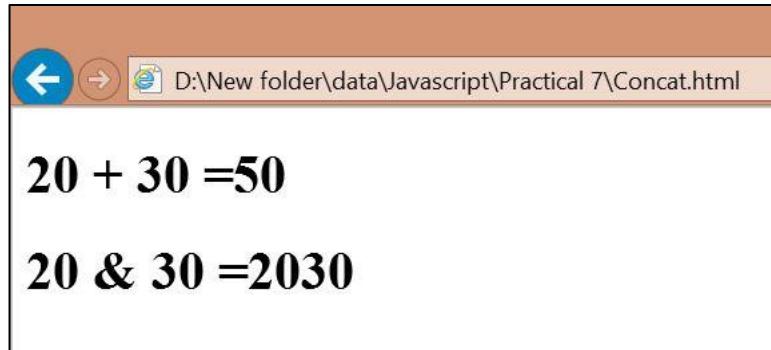
```
D:\New folder\data\Javascript\Practical

File Edit Selection Find View Goto Tools Project Preferences Help
conditional.html logical.html logical2.html Concat.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Conditional Operator</title>
5 </head>
6 <body>
7     <script type="text/vbscript" lang="vbscript">
8         Dim a:a=CInt(InputBox("Enter First Number"))
9         Dim b:b=CInt(InputBox("Enter Second Number"))
10
11
12         document.write("<h1>"&a&" + "&b&" ="&(a+b)&"</h1>")
13         document.write("<h1>"&a&" & "&b&" ="&(a&b)&"</h1>")
14
15     </script>
16 </body>
17 </html>
```

Output –

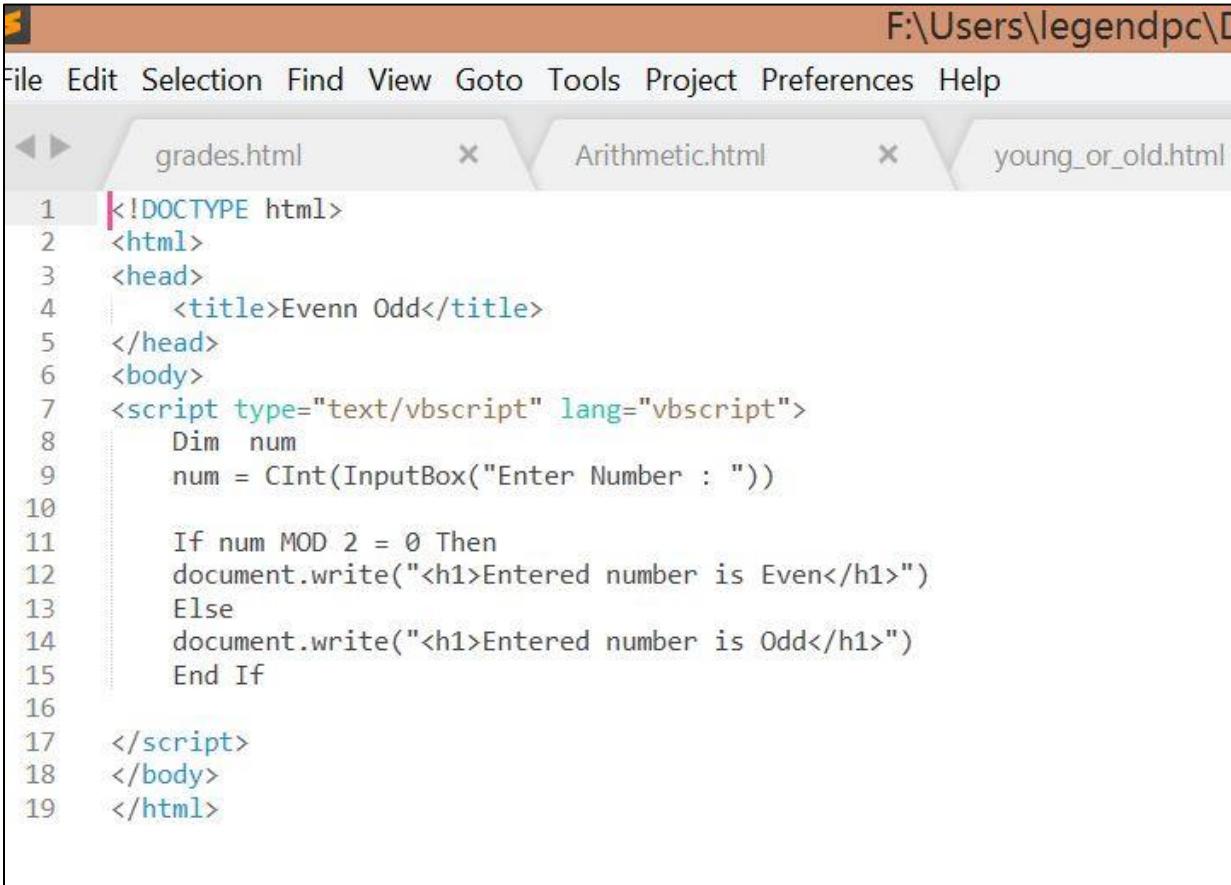




"VB Script"

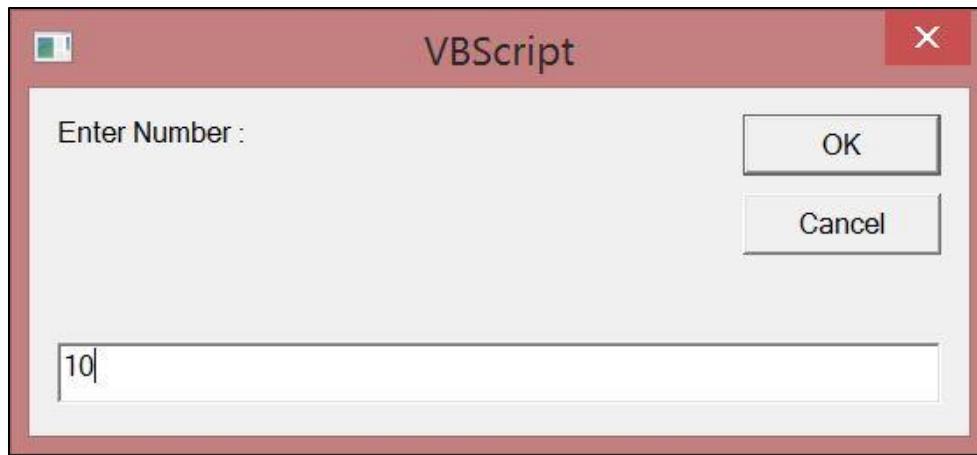
Program to check Number is Even or Odd

Source Code :



```
F:\Users\legendpc\I  
File Edit Selection Find View Goto Tools Project Preferences Help  
grades.html      Arithmetic.html      young_or_old.html  
1 <!DOCTYPE html>  
2 <html>  
3 <head>  
4     <title>Evenn Odd</title>  
5 </head>  
6 <body>  
7 <script type="text/vbscript" lang="vbscript">  
8     Dim num  
9     num = CInt(InputBox("Enter Number : "))  
10  
11    If num MOD 2 = 0 Then  
12        document.write("<h1>Entered number is Even</h1>")  
13    Else  
14        document.write("<h1>Entered number is Odd</h1>")  
15    End If  
16  
17 </script>  
18 </body>  
19 </html>
```

Output :



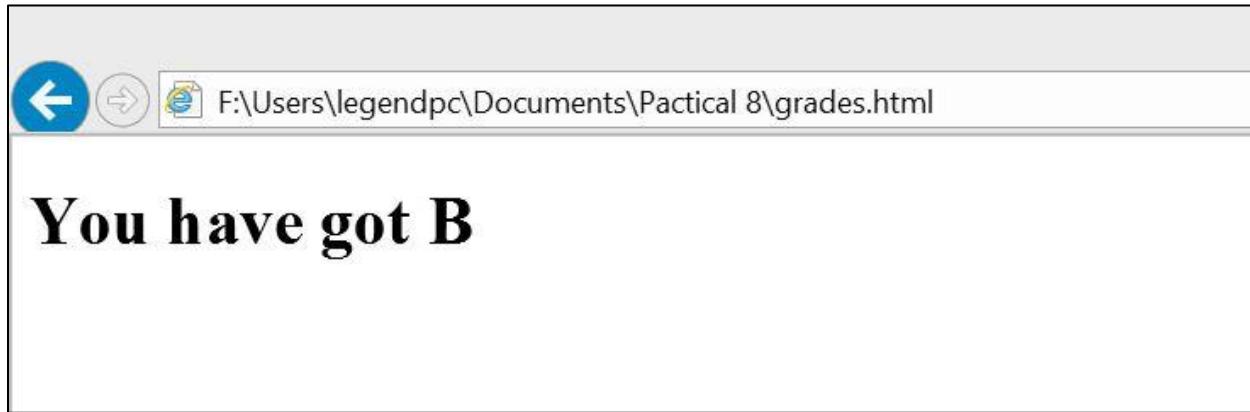
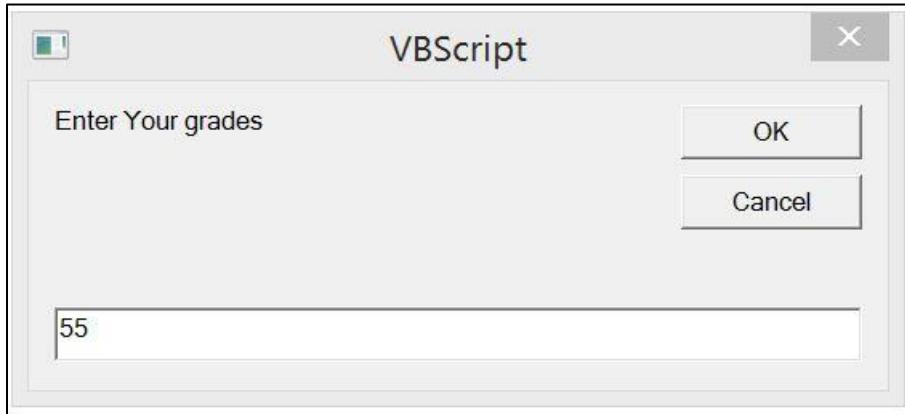


Program to check Grades

Source Code :

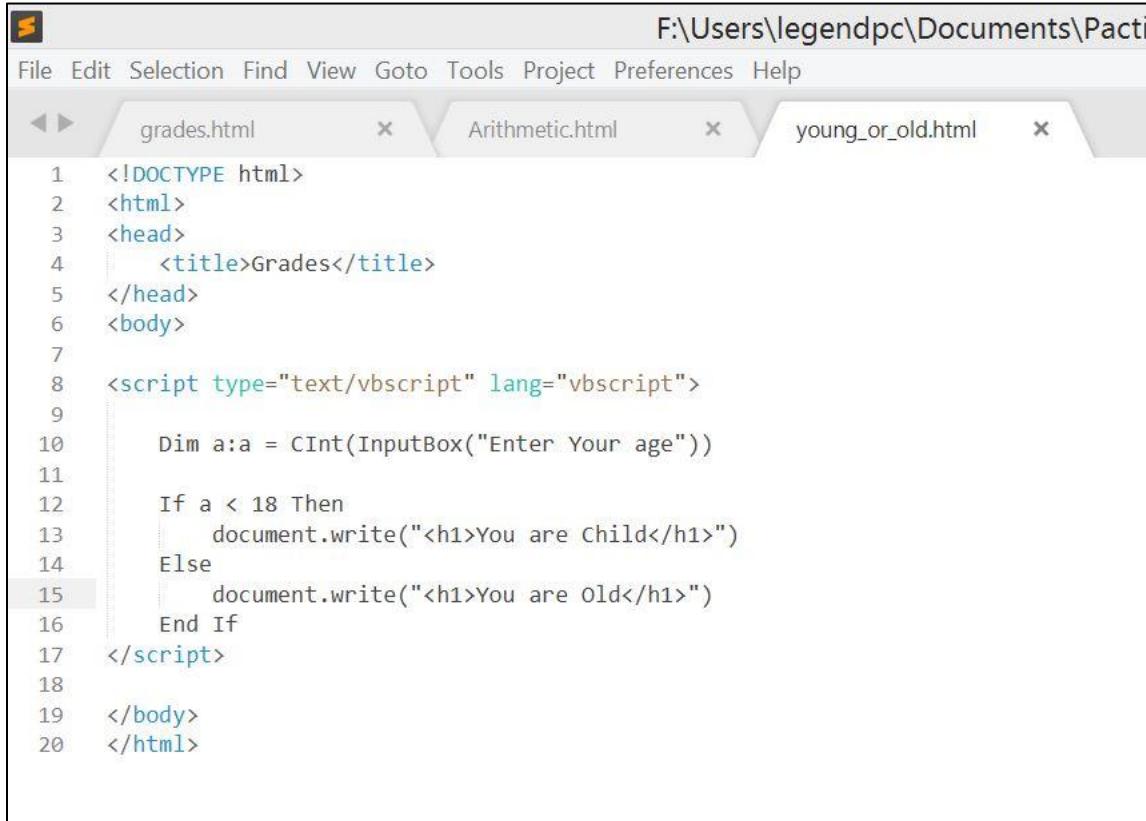
```
F:\Users\legendpc\Documents\Pa
File Edit Selection Find View Goto Tools Project Preferences Help
grades.html x Arithmetic.html x untitled x
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Grades</title>
5 </head>
6 <body>
7
8 <script type="text/vbscript" lang="vbscript">
9
10    Dim a:a = CInt(InputBox("Enter Your grades"))
11
12    If a < 40 Then
13      document.write("<h1>You are fail</h1>")
14    Else
15
16      If a > 75 Then
17        document.write("<h1>You have got Distinction</h1>")
18      ElseIf a > 60 AND a < 75 Then
19        document.write("<h1>You have got A</h1>")
20      ElseIf a > 50 AND a < 60 Then
21        document.write("<h1>You have got B</h1>")
22      ElseIf a > 40 AND a < 50 Then
23        document.write("<h1>You have got C</h1>")
24      End If
25
26    End If
27 </script>
28
29 </body>
30 </html>
```

The image shows a screenshot of a code editor window. The title bar indicates the file path 'F:\Users\legendpc\Documents\Pa...'. The menu bar includes File, Edit, Selection, Find, View, Goto, Tools, Project, Preferences, and Help. There are three tabs visible in the tab bar: 'grades.html', 'Arithmetic.html', and 'untitled'. The main code editor area contains a VBScript program. The script starts with a doctype declaration, followed by an HTML structure with a head and body section. Inside the body, there is a script tag containing a VBScript block. The script uses an input box to get a grade value, then checks if it's less than 40 (fail), or greater than 75 (Distinction), or between 60 and 75 (A), or between 50 and 60 (B), or between 40 and 50 (C). The output is displayed using document.write for each condition.

Output :

Program to check age

Source Code :

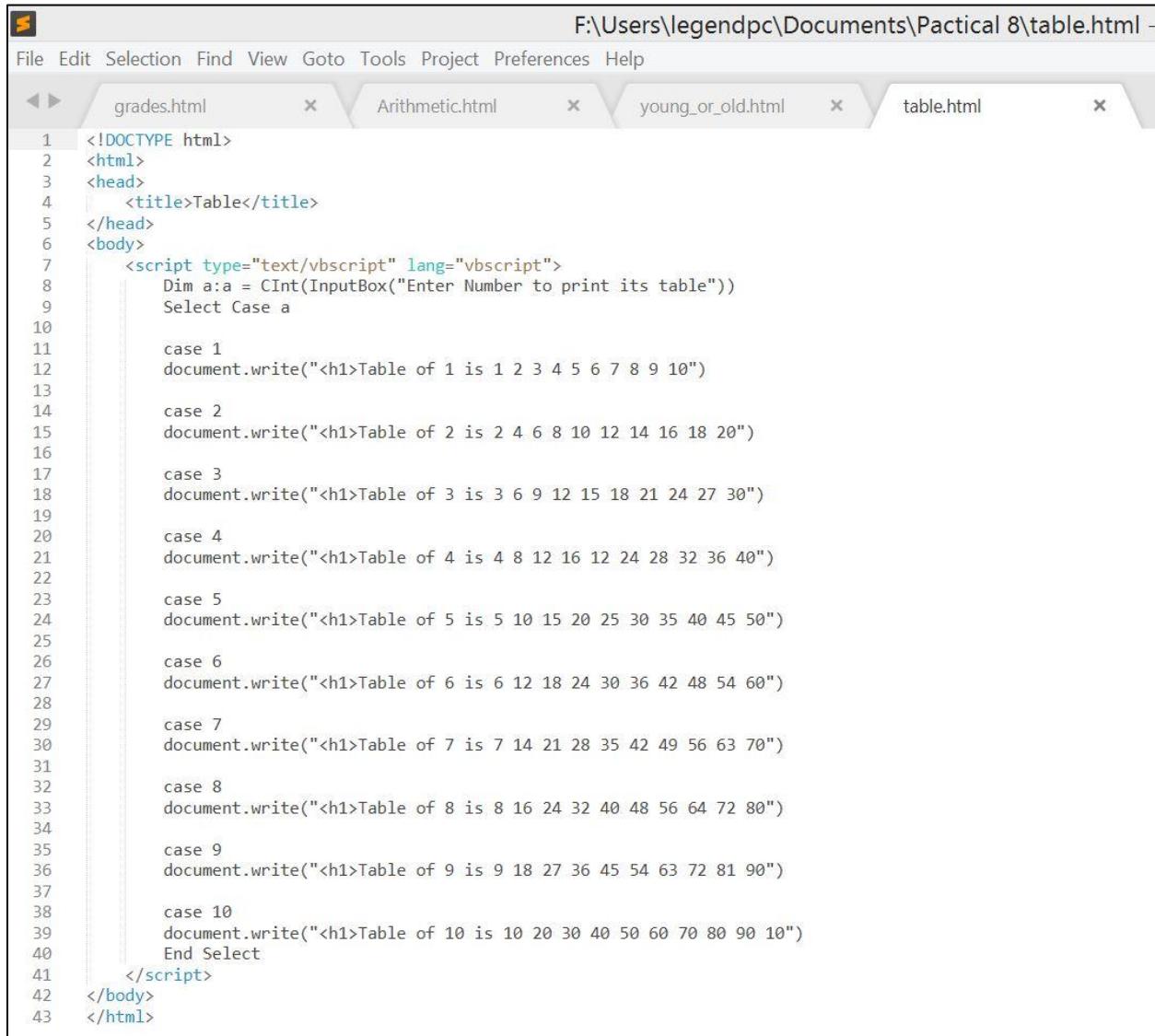


```
F:\Users\legendpc\Documents\Practi
File Edit Selection Find View Goto Tools Project Preferences Help
    <grades.html> x   <Arithmetic.html> x   <young_or_old.html> x
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Grades</title>
5  </head>
6  <body>
7
8      <script type="text/vbscript" lang="vbscript">
9
10         Dim a:a = CInt(InputBox("Enter Your age"))
11
12         If a < 18 Then
13             document.write("<h1>You are Child</h1>")
14         Else
15             document.write("<h1>You are Old</h1>")
16         End If
17     </script>
18
19     </body>
20     </html>
```

Output :





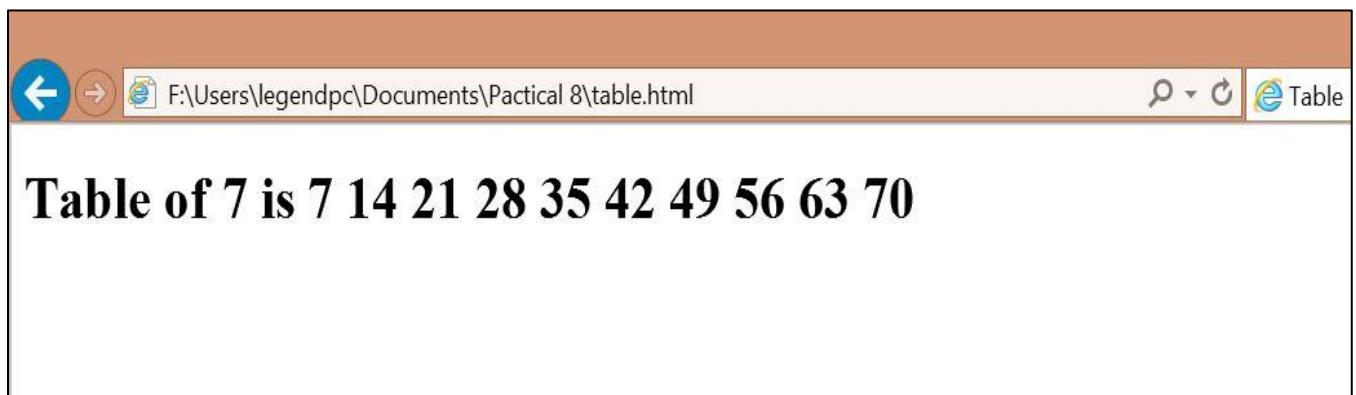
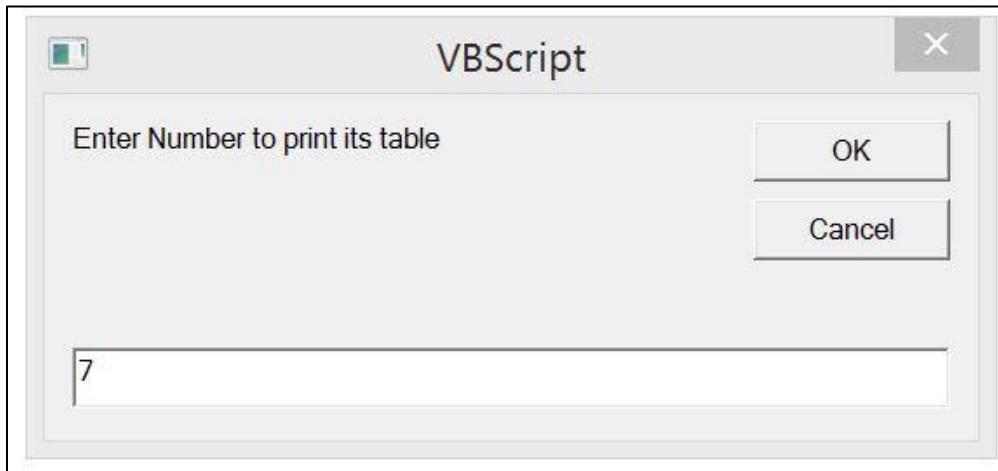
Program to print table of number using 'Select' statement**Source Code :**

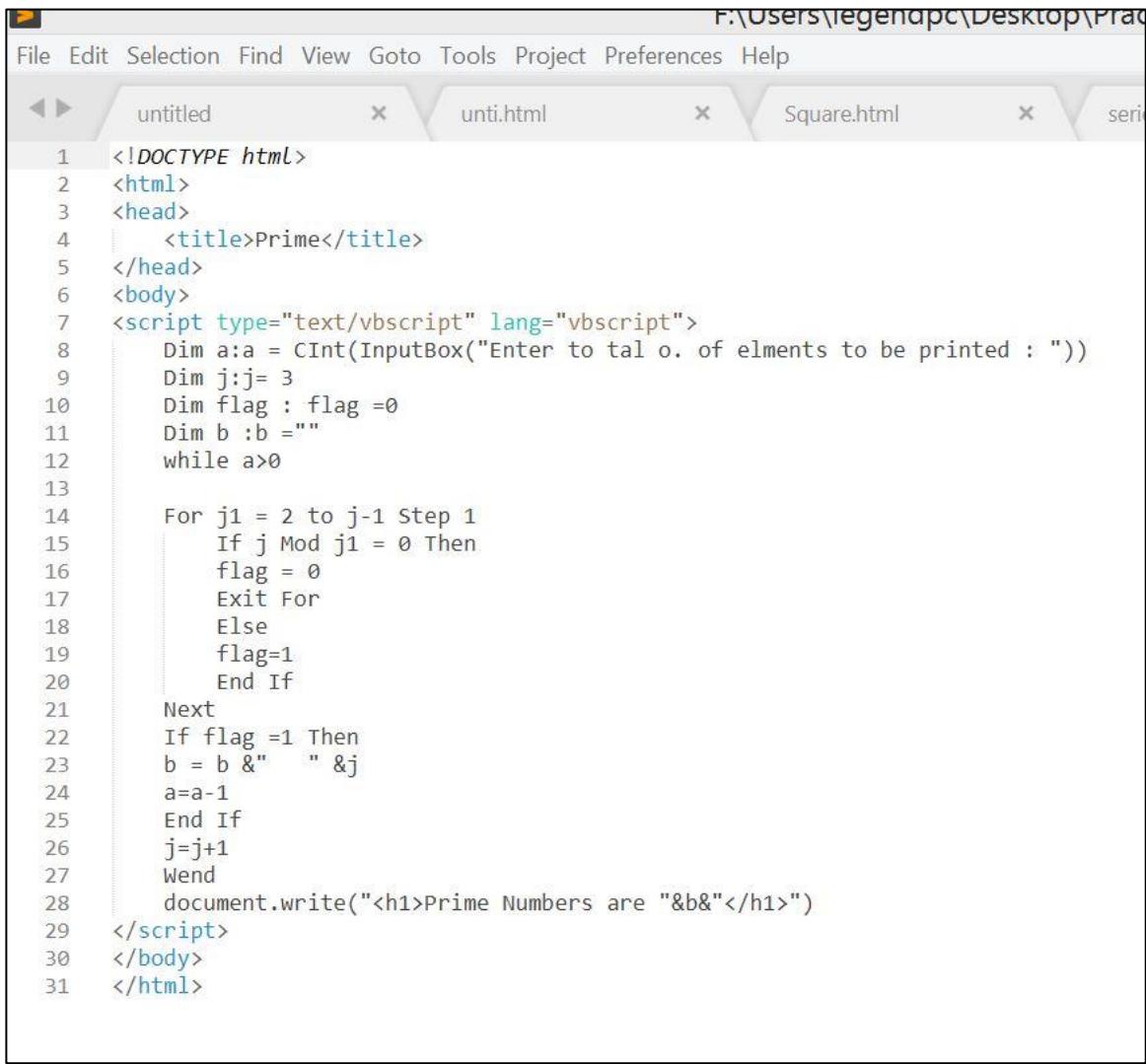
F:\Users\legendpc\Documents\Practical 8\table.html -

File Edit Selection Find View Goto Tools Project Preferences Help

grades.html Arithmetic.html young_or_old.html table.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Table</title>
5 </head>
6 <body>
7   <script type="text/vbscript" lang="vbscript">
8     Dim a:a = CInt(InputBox("Enter Number to print its table"))
9     Select Case a
10
11       case 1
12         document.write("<h1>Table of 1 is 1 2 3 4 5 6 7 8 9 10")
13
14       case 2
15         document.write("<h1>Table of 2 is 2 4 6 8 10 12 14 16 18 20")
16
17       case 3
18         document.write("<h1>Table of 3 is 3 6 9 12 15 18 21 24 27 30")
19
20       case 4
21         document.write("<h1>Table of 4 is 4 8 12 16 12 24 28 32 36 40")
22
23       case 5
24         document.write("<h1>Table of 5 is 5 10 15 20 25 30 35 40 45 50")
25
26       case 6
27         document.write("<h1>Table of 6 is 6 12 18 24 30 36 42 48 54 60")
28
29       case 7
30         document.write("<h1>Table of 7 is 7 14 21 28 35 42 49 56 63 70")
31
32       case 8
33         document.write("<h1>Table of 8 is 8 16 24 32 40 48 56 64 72 80")
34
35       case 9
36         document.write("<h1>Table of 9 is 9 18 27 36 45 54 63 72 81 90")
37
38       case 10
39         document.write("<h1>Table of 10 is 10 20 30 40 50 60 70 80 90 10")
40     End Select
41   </script>
42 </body>
43 </html>
```

Output :

“VB Script”**Program to print series of prime numbers**(For and While Loop)**Source code –**


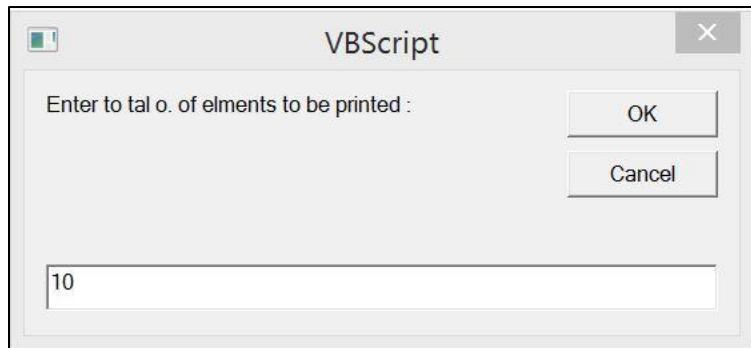
```

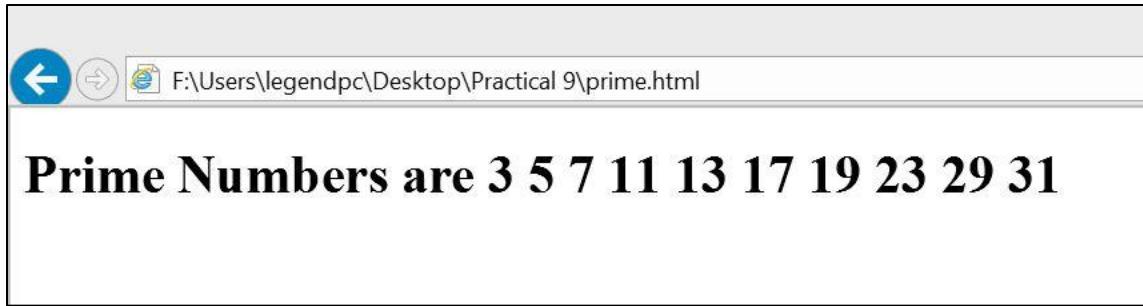
F:\Users\legenapc\Desktop\Prac

File Edit Selection Find View Goto Tools Project Preferences Help
untitled untitled.html Square.html seri

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Prime</title>
5 </head>
6 <body>
7 <script type="text/vbscript" lang="vbscript">
8   Dim a:a = CInt(InputBox("Enter to tal o. of elments to be printed : "))
9   Dim j:j= 3
10  Dim flag : flag =0
11  Dim b :b =""
12  while a>0
13
14  For j1 = 2 to j-1 Step 1
15    If j Mod j1 = 0 Then
16      flag = 0
17      Exit For
18    Else
19      flag=1
20      End If
21    Next
22    If flag =1 Then
23      b = b &" " &j
24    a=a-1
25    End If
26    j=j+1
27    Wend
28    document.write("<h1>Prime Numbers are "&b&"</h1>")
29 </script>
30 </body>
31 </html>

```

Output-



"Program to print addition of series"(While Loop)

Source Code-

```

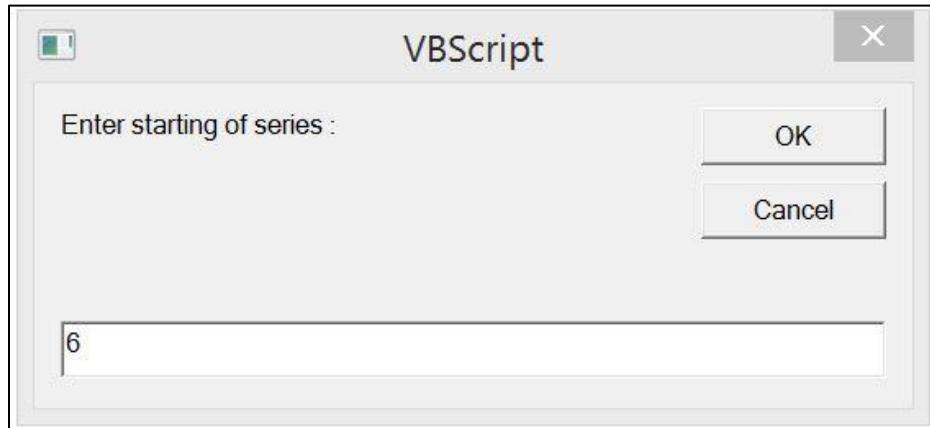
F:\Users\legendpc\Desktop\

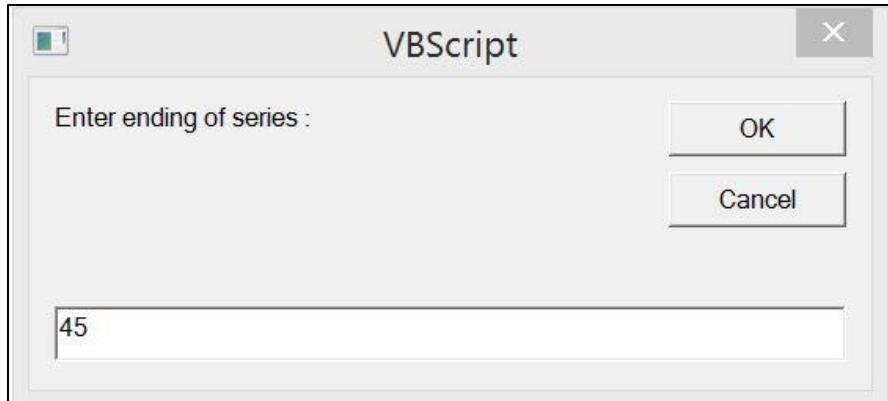
File Edit Selection Find View Goto Tools Project Preferences Help
untitled x unti.html x Square.html x

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Series addition</title>
5 </head>
6 <body>
7 <script type="text/vbscript" lang="vbscript">
8   Dim Startnum : Startnum = CInt(InputBox("Enter starting of series : "))
9   Dim Endnum : Endnum = CInt(InputBox("Enter ending of series : "))
10  Dim sum : sum =0
11  while Startnum <= Endnum
12    sum = sum + Startnum
13    Startnum = Startnum + 1
14  Wend
15  document.write("<h1>Addition of series is " & sum &"</h1>")
16 </script>
17 </body>
18 </html>

```

Output-





"Program to print Table of given number"(Do While Loop)

Source Code-

```

File Edit Selection Find View Goto Tools Project Preferences Help
untitled x unti.html x Square.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Square</title>
5 </head>
6 <body>
7 <script type="text/vbscript" lang="vbscript">
8   Dim a:a=CInt(InputBox("Enter number "))
9   Dim ans :ans =1
10  Dim table : table =""
11  Do While ans<=10
12    document.write("<h1>"&(ans*a)&"</h1>")
13    ans=ans+1
14  Loop
15  document.write("<h1>Square of number is "&(a*a)&"</h1>")
16 </script>
17 </body>
18 </html>

```

Output-

The image shows a screenshot of a computer interface. At the top, there is a VBScript dialog box titled "VBScript" with a red close button. Inside the dialog box, the text "Enter number" is displayed above a text input field containing "121". Below the input field are two buttons: "OK" and "Cancel". Below the dialog box is a web browser window. The browser's address bar shows the URL "F:\Users\legendpc\Desktop\Practical 9\Square.html". The main content area of the browser displays a series of numbers: 121, 242, 363, 484, 605, 726, 847, 968, 1089, and 1210. At the bottom of the browser window, the text "Square of number is 14641" is displayed.

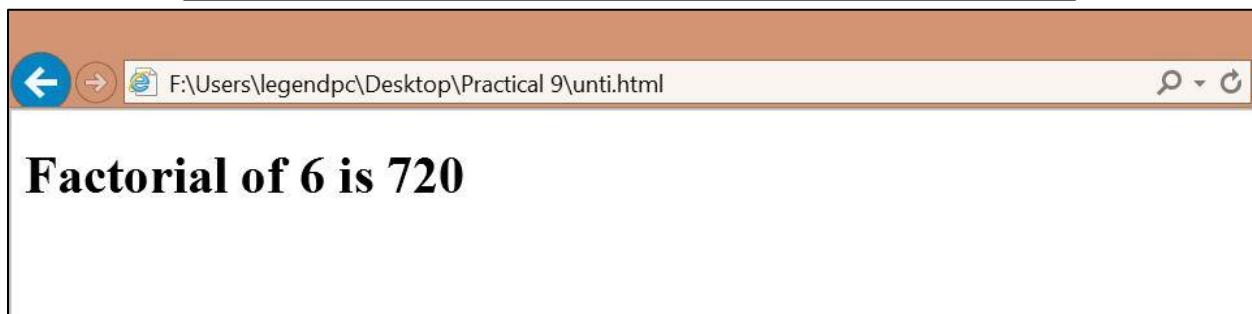
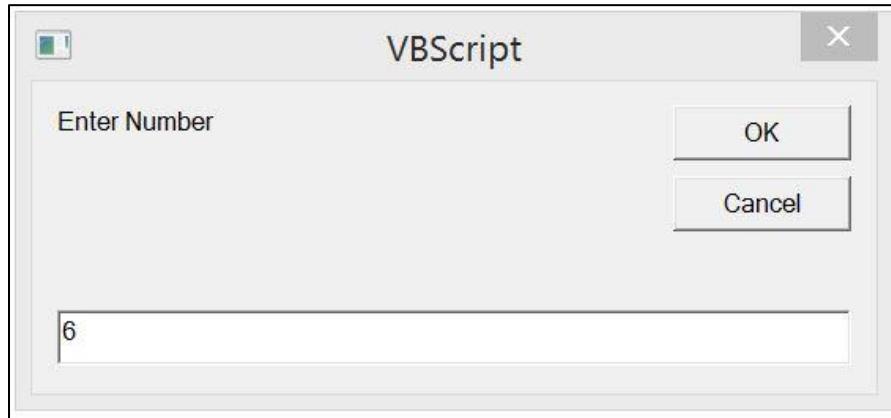
121
242
363
484
605
726
847
968
1089
1210

Square of number is 14641

"Program to print Factorial of given Number"(Do Until Loop)**Source Code-**

The screenshot shows a code editor window with three tabs: 'untitled', 'unti.html', and 'Square.html'. The 'unti.html' tab is active, displaying the following VBScript code:

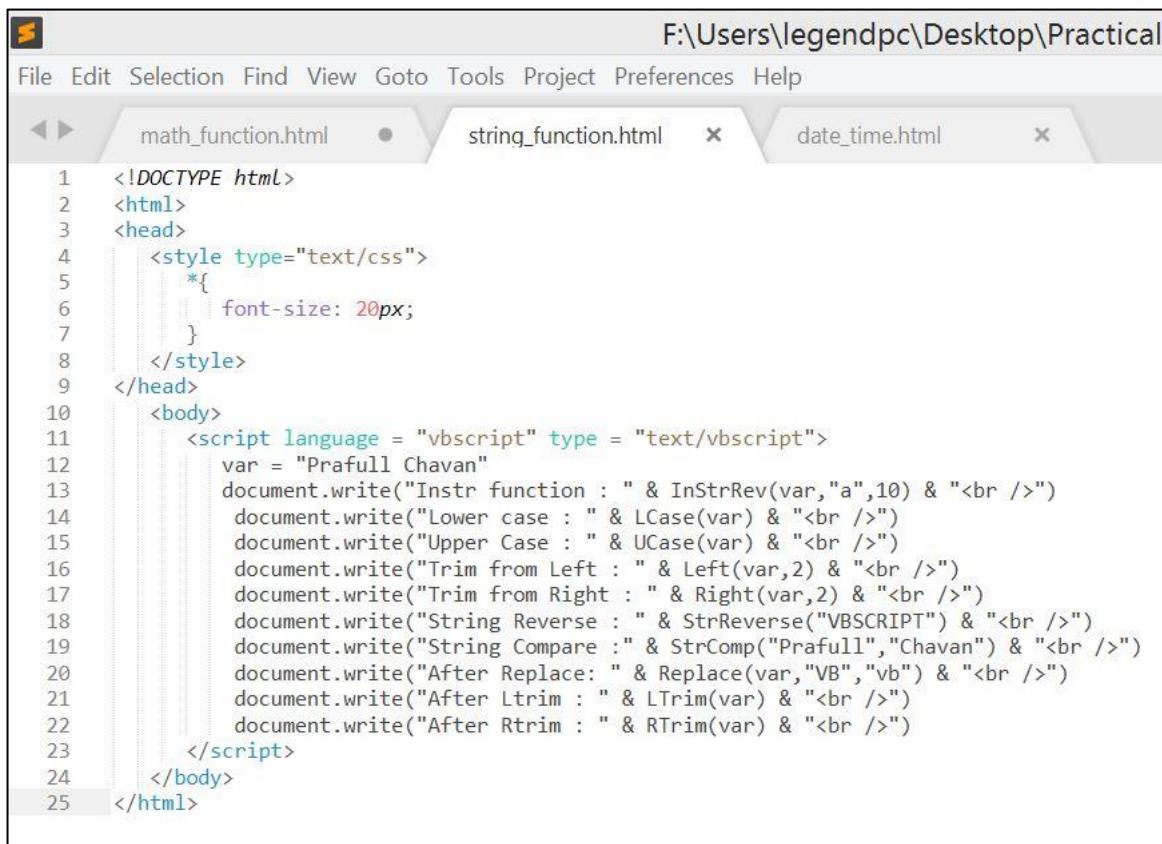
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Until</title>
5 </head>
6 <body>
7 <script type="text/vbscript" lang="vbscript">
8     Dim a:a =CInt(InputBox("Enter Number"))
9     Dim b:b =a
10    Dim fact :fact=1
11    Do Until a=1
12        fact =fact*a
13        a=a-1
14    Loop
15    document.write("<h1>Factorial of "&b&" is "&fact&"</h1>")
16 </script>
17 </body>
18 </html>
```

Output-

“VB Script”

“String Function”

Source Code-



```

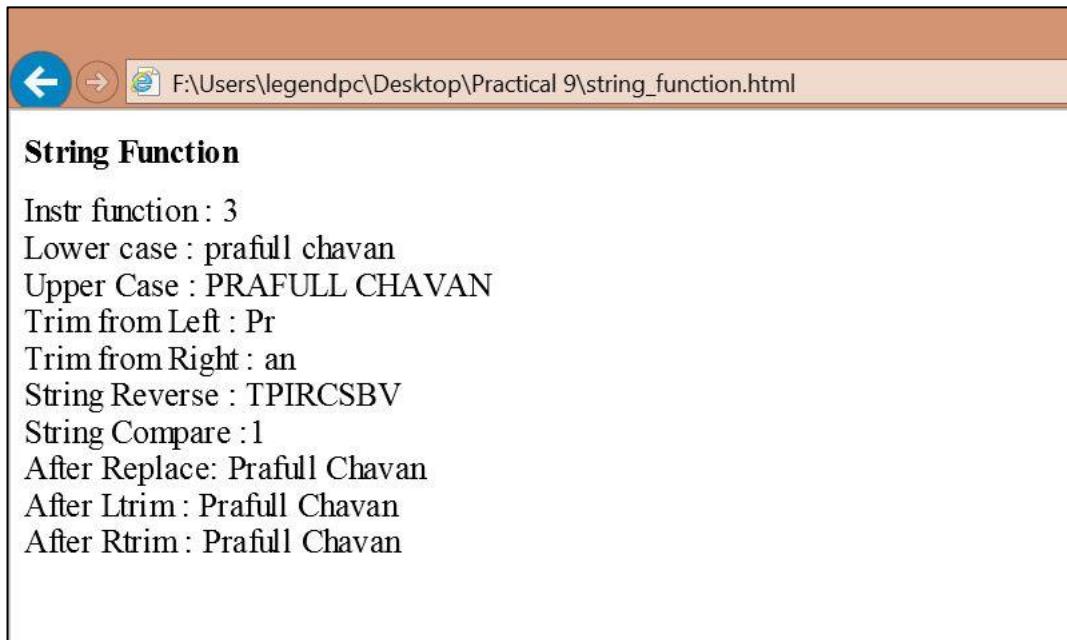
F:\Users\legendpc\Desktop\Practical

File Edit Selection Find View Goto Tools Project Preferences Help
math_function.html string_function.html date_time.html

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <style type="text/css">
5     *{
6       font-size: 20px;
7     }
8   </style>
9 </head>
10  <body>
11    <script language = "vbscript" type = "text/vbscript">
12      var = "Prafull Chavan"
13      document.write("Instr function : " & InStrRev(var,"a",10) & "<br />")
14      document.write("Lower case : " & LCase(var) & "<br />")
15      document.write("Upper Case : " & UCase(var) & "<br />")
16      document.write("Trim from Left : " & Left(var,2) & "<br />")
17      document.write("Trim from Right : " & Right(var,2) & "<br />")
18      document.write("String Reverse : " & StrReverse("VBSCRIPT") & "<br />")
19      document.write("String Compare :" & StrComp("Prafull","Chavan") & "<br />")
20      document.write("After Replace: " & Replace(var,"VB","vb") & "<br />")
21      document.write("After Ltrim : " & LTrim(var) & "<br />")
22      document.write("After Rtrim : " & RTrim(var) & "<br />")
23    </script>
24  </body>
25 </html>

```

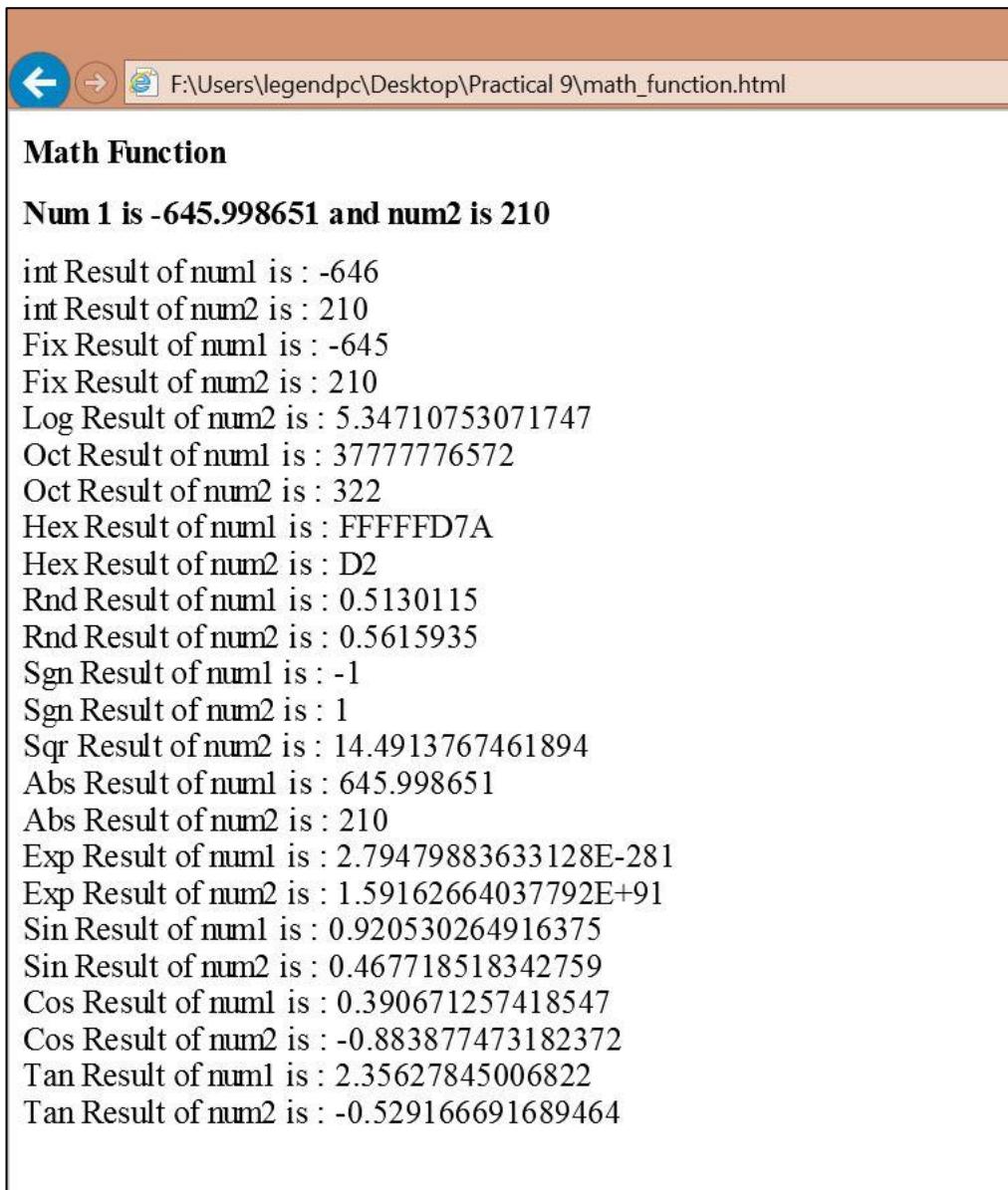
Output –



“Math Function”**Source Code-**

The screenshot shows a code editor window with three tabs at the top: 'math_function.html' (selected), 'string_function.html', and 'date_time.html'. The code in 'math_function.html' is as follows:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <style type="text/css">
5          *{
6              font-size: 20px;
7          }
8      </style>
9  </head>
10 <body>
11     <script language = "vbscript" type = "text/vbscript">
12
13         Dim num1 : num1 = -645.998651
14         Dim num2 : num2 = 210
15         document.write("int Result of num1 is : " & int(num1))& "<br/>"
16         document.write("int Result of num2 is : " & int(num2))& "<br/>"
17         document.write("Fix Result of num1 is : " & Fix(num1))& "<br/>"
18         document.write("Fix Result of num2 is : " & Fix(num2))& "<br/>"
19         document.write("Log Result of num2 is : " & Log(num2))& "<br/>"
20         document.write("Oct Result of num1 is : " & Oct(num1))& "<br/>"
21         document.write("Oct Result of num2 is : " & Oct(num2))& "<br/>"
22         document.write("Hex Result of num1 is : " & Hex(num1))& "<br/>"
23         document.write("Hex Result of num2 is : " & Hex(num2))& "<br/>"
24         document.write("Rnd Result of num1 is : " & Rnd(num1))& "<br/>"
25         document.write("Rnd Result of num2 is : " & Rnd(num2))& "<br/>"
26         document.write("Sgn Result of num1 is : " & Sgn(num1))& "<br/>"
27         document.write("Sgn Result of num2 is : " & Sgn(num2))& "<br/>"
28         document.write("Sqr Result of num2 is : " & Sqr(num2))& "<br/>"
29         document.write("Abs Result of num1 is : " & Abs(num1))& "<br/>"
30         document.write("Abs Result of num2 is : " & Abs(num2))& "<br/>"
31         document.write("Exp Result of num1 is : " & Exp(num1))& "<br/>"
32         document.write("Exp Result of num2 is : " & Exp(num2))& "<br/>"
33         document.write("Sin Result of num1 is : " & Sin(num1))& "<br/>"
34         document.write("Sin Result of num2 is : " & Sin(num2))& "<br/>"
35         document.write("Cos Result of num1 is : " & Cos(num1))& "<br/>"
36         document.write("Cos Result of num2 is : " & Cos(num2))& "<br/>"
37         document.write("Tan Result of num1 is : " & Tan(num1))& "<br/>"
38         document.write("Tan Result of num2 is : " & Tan(num2))& "<br/>"
39     </script>
40     </body>
41 </html>
```

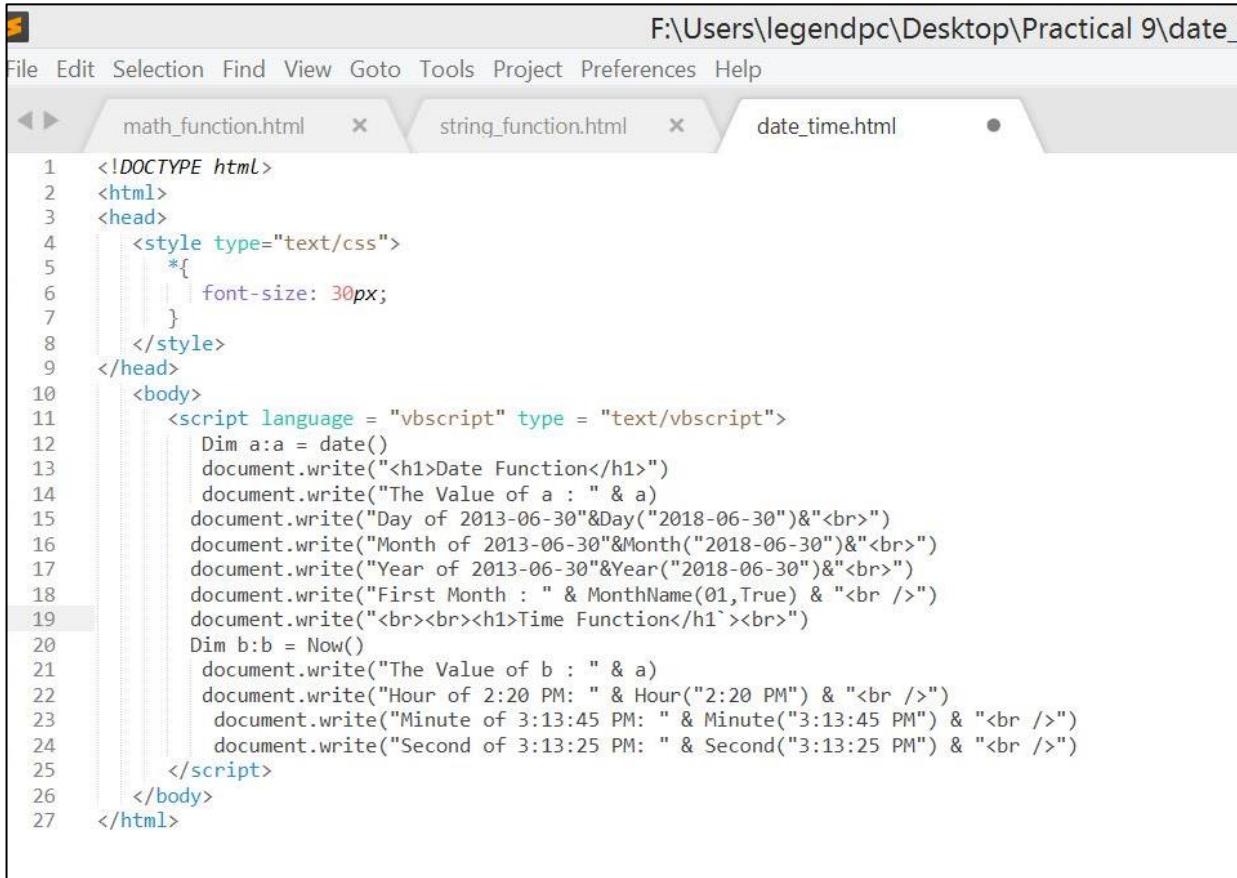
Output –

The screenshot shows a web browser window with the address bar displaying "F:\Users\legendpc\Desktop\Practical 9\math_function.html". The main content area is titled "Math Function" and contains the following text output:

```
Num 1 is -645.998651 and num2 is 210
int Result of num1 is : -646
int Result of num2 is : 210
Fix Result of num1 is : -645
Fix Result of num2 is : 210
Log Result of num2 is : 5.34710753071747
Oct Result of num1 is : 37777776572
Oct Result of num2 is : 322
Hex Result of num1 is : FFFFFD7A
Hex Result of num2 is : D2
Rnd Result of num1 is : 0.5130115
Rnd Result of num2 is : 0.5615935
Sgn Result of num1 is : -1
Sgn Result of num2 is : 1
Sqr Result of num2 is : 14.4913767461894
Abs Result of num1 is : 645.998651
Abs Result of num2 is : 210
Exp Result of num1 is : 2.79479883633128E-281
Exp Result of num2 is : 1.59162664037792E+91
Sin Result of num1 is : 0.920530264916375
Sin Result of num2 is : 0.467718518342759
Cos Result of num1 is : 0.390671257418547
Cos Result of num2 is : -0.883877473182372
Tan Result of num1 is : 2.35627845006822
Tan Result of num2 is : -0.529166691689464
```

Date & Time Function"

Source Code-



```

F:\Users\legendpc\Desktop\Practical 9\date_
File Edit Selection Find View Goto Tools Project Preferences Help
math_function.html x string_function.html x date_time.html ●

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <style type="text/css">
5     *{
6       font-size: 30px;
7     }
8   </style>
9 </head>
10 <body>
11   <script language = "vbscript" type = "text/vbscript">
12     Dim a:a = date()
13     document.write("<h1>Date Function</h1>")
14     document.write("The Value of a : " & a)
15     document.write("Day of 2013-06-30"&Day("2018-06-30")&"<br>")
16     document.write("Month of 2013-06-30"&Month("2018-06-30")&"<br>")
17     document.write("Year of 2013-06-30"&Year("2018-06-30")&"<br>")
18     document.write("First Month : " & MonthName(01,True) & "<br />")
19     document.write("<br><br><h1>Time Function</h1><br>")
20     Dim b:b = Now()
21     document.write("The Value of b : " & a)
22     document.write("Hour of 2:20 PM: " & Hour("2:20 PM") & "<br />")
23     document.write("Minute of 3:13:45 PM: " & Minute("3:13:45 PM") & "<br />")
24     document.write("Second of 3:13:25 PM: " & Second("3:13:25 PM") & "<br />")
25   </script>
26 </body>
27 </html>

```

Output –

