

3. Create a webpage highlighting a proper scenario of using a prompt box.

Code:

```
<!DOCTYPE html>

<html>

<title>JavaScript Dialog Box</title>

<head></head>

<body>

<script language="javascript">

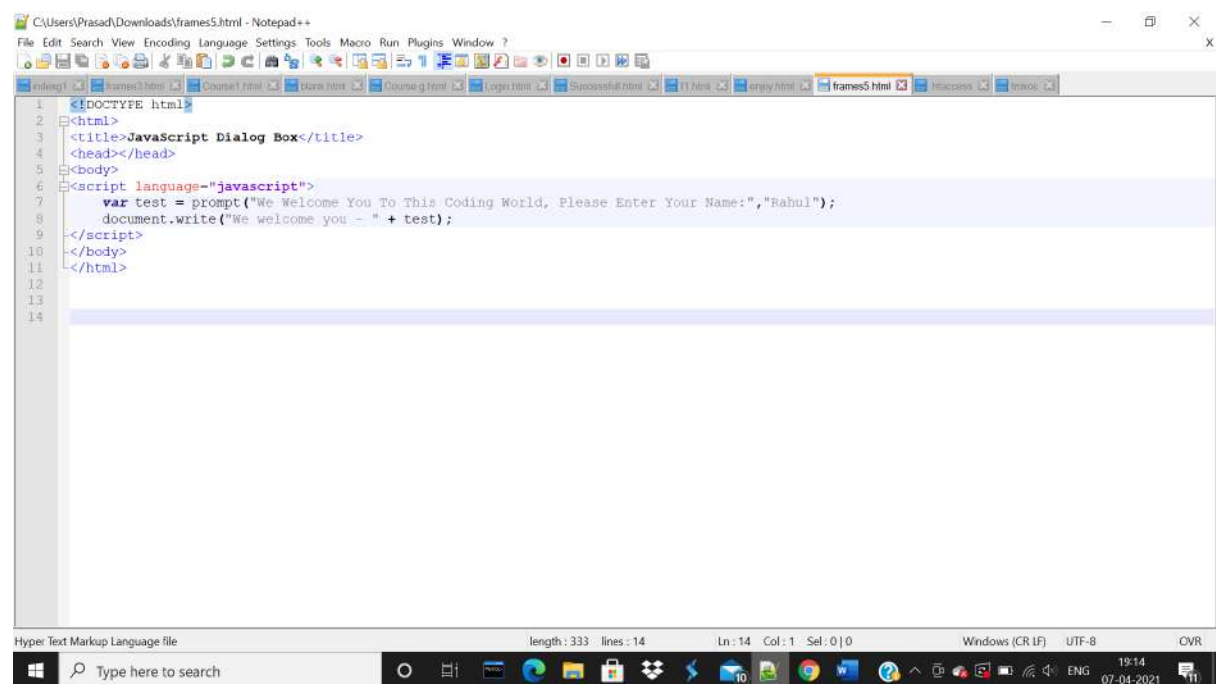
    var test = prompt("We Welcome You To This Coding World, Please Enter Your Name:", "Rahul");

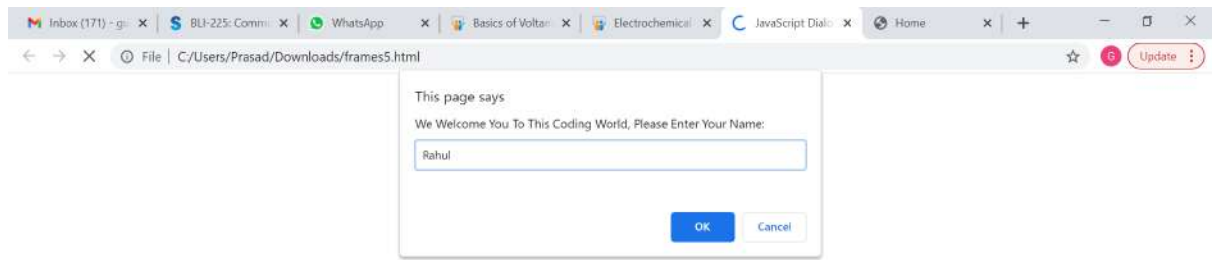
    document.write("We welcome you - " + test);

</script>

</body>

</html>
```





13. Working with JavaScript functions

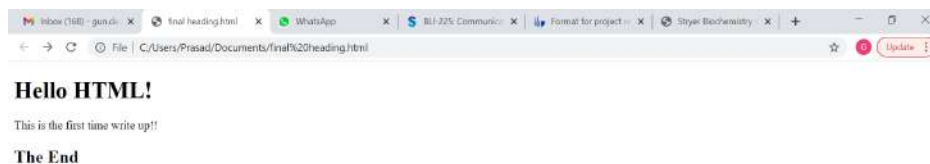
1. Create a webpage demonstrating different types of functions:

- Without parameter, without return value

```

1 <!DOCTYPE html>
2 <html>
3 <body>
4 <h1> Hello HTML! </h1>
5 <p>This is the first time write up!!</p>
6 <script type="text/javascript"> function display()
7 {
8     document.write("Hello HTML "+x+"<br>");
9 }
10 var nam = window.prompt("enter your name", "xyz"); display(nam);
11 </script>
12 <h2> The End </h2>
13 </body>
14 </html>

```

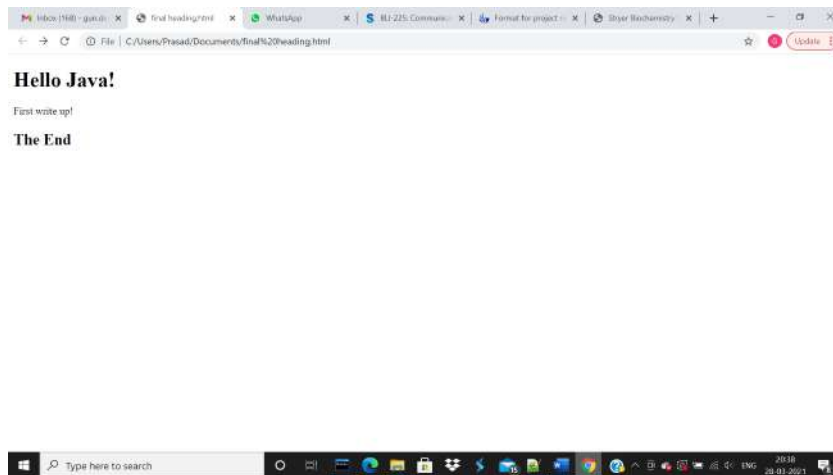


- With parameter, without return value

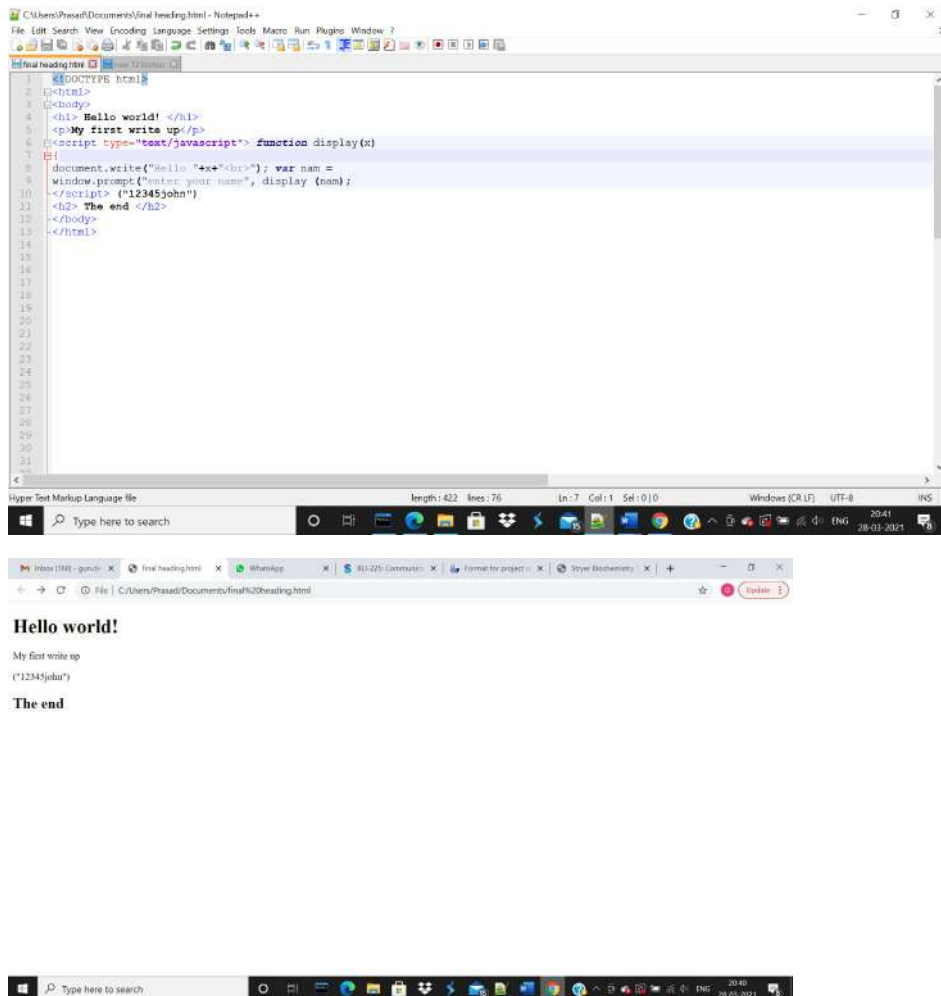
```

1 <!DOCTYPE html>
2 <html>
3 <body>
4 <h1> Hello Jave! </h1>
5 <p>First write up!!</p>
6 <script type="text/javascript"> function display(x)
7 {
8     document.write("Hello Jave "+x+"<br>");
9 }
10 var nam = window.prompt("enter your name", "xyz"); display(nam);
11 </script>
12 <h2>The End </h2>
13 </body>
14 </html>

```



- With parameter, with return value



- Without parameter, with return value

```
<html>

<body>

<h1> Welcome! </h1>

<p>This is my first para example</p>

<body>

<script type="text/javascript"> function display()

{

var a= window.prompt("enter first value", "0"); var b=window.prompt ("enter second

value", "0"); var prod = a * b;

return prod;

}

var product = display ();

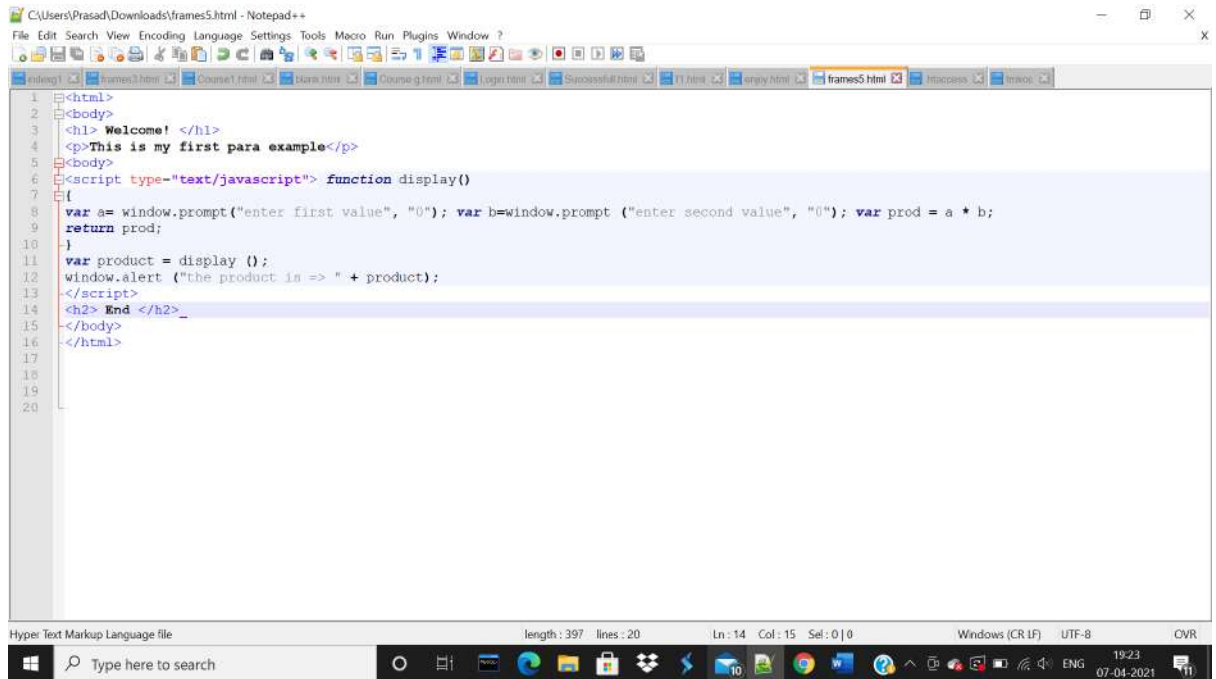
window.alert ("the product is => " + product);

</script>

<h2> End </h2>

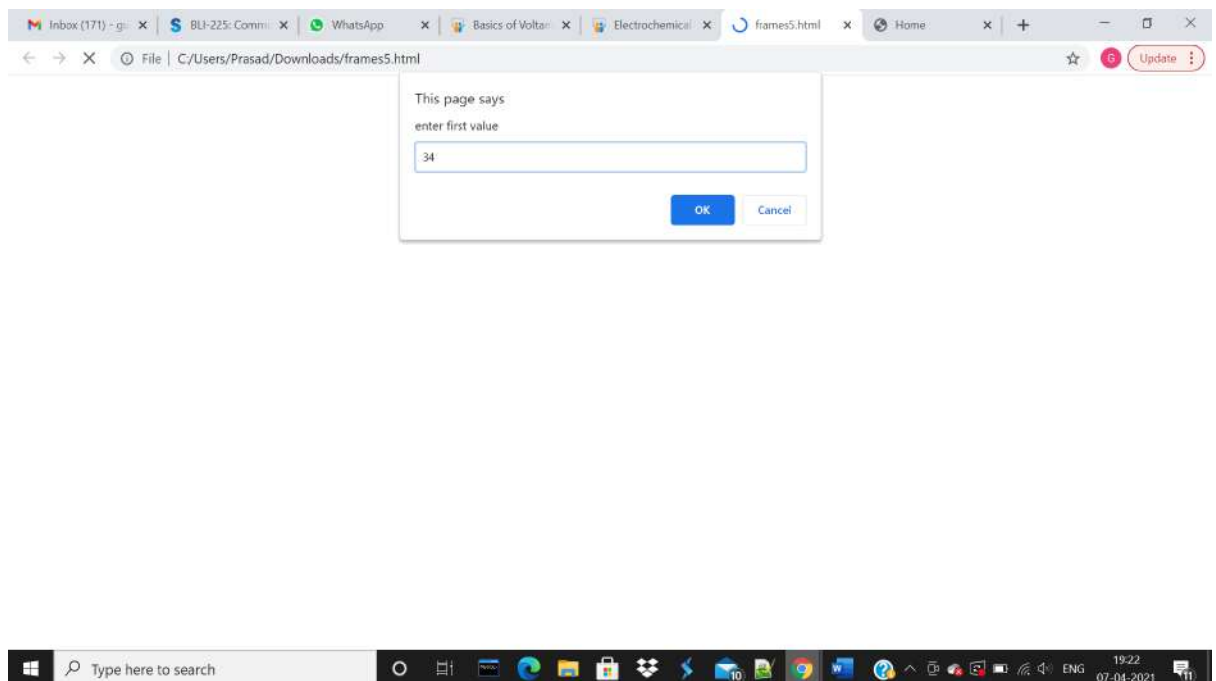
</body>

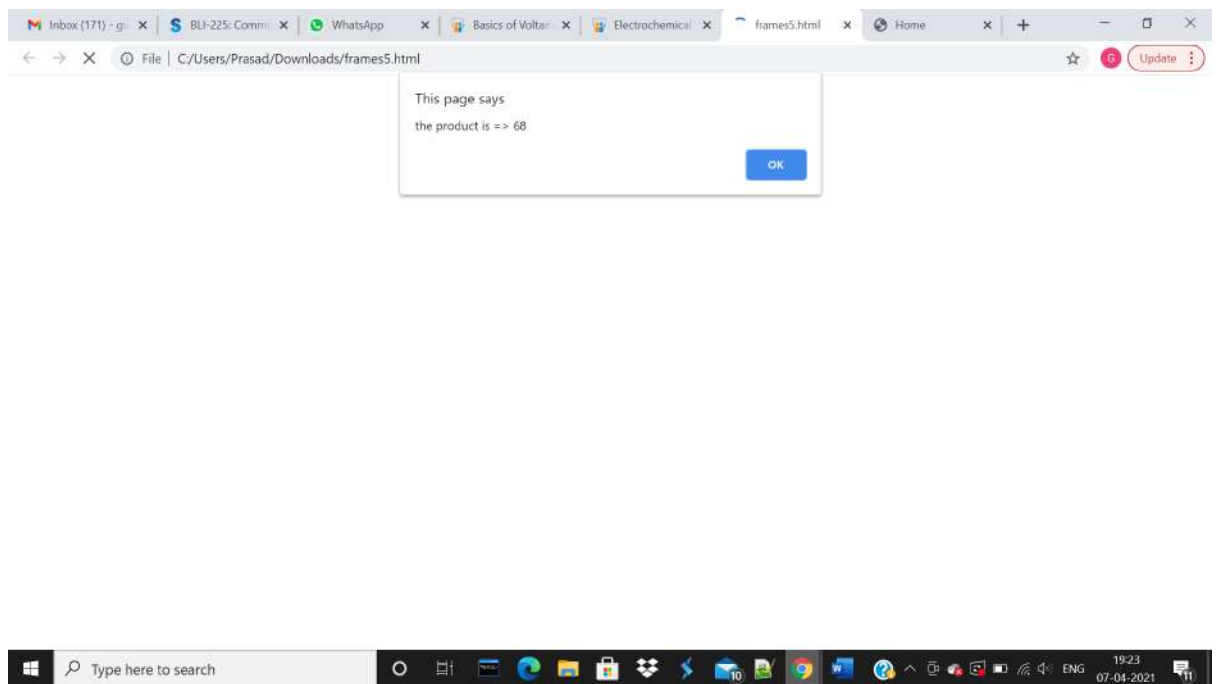
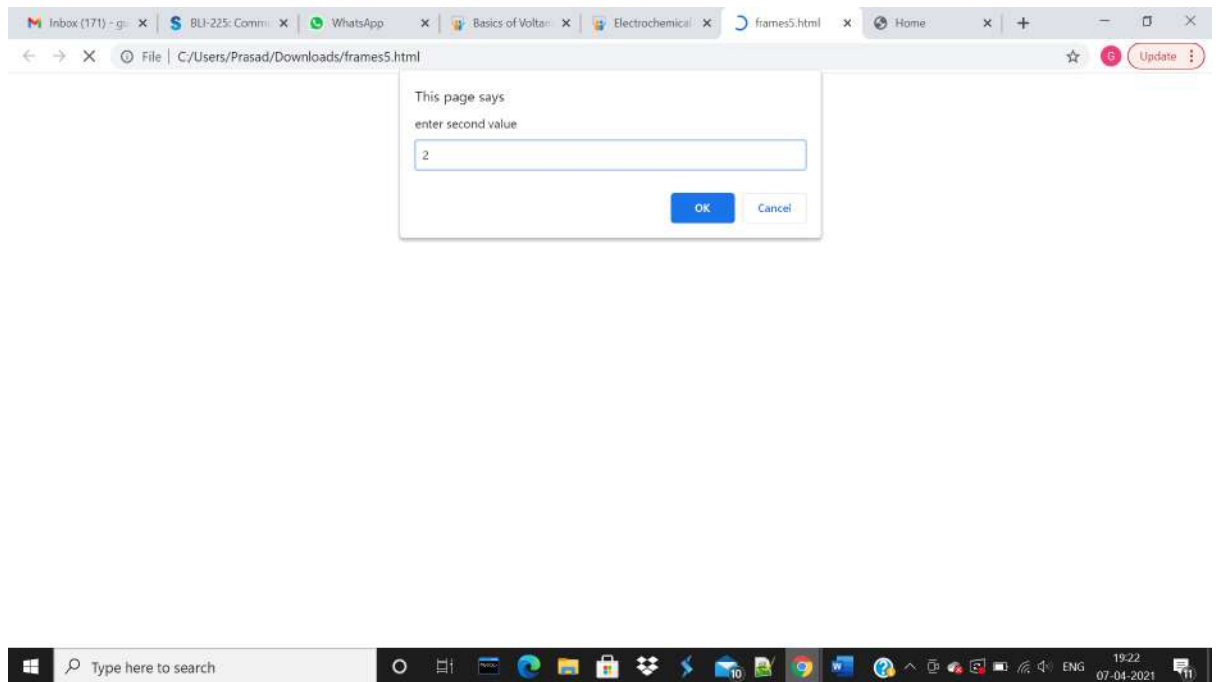
</html>
```

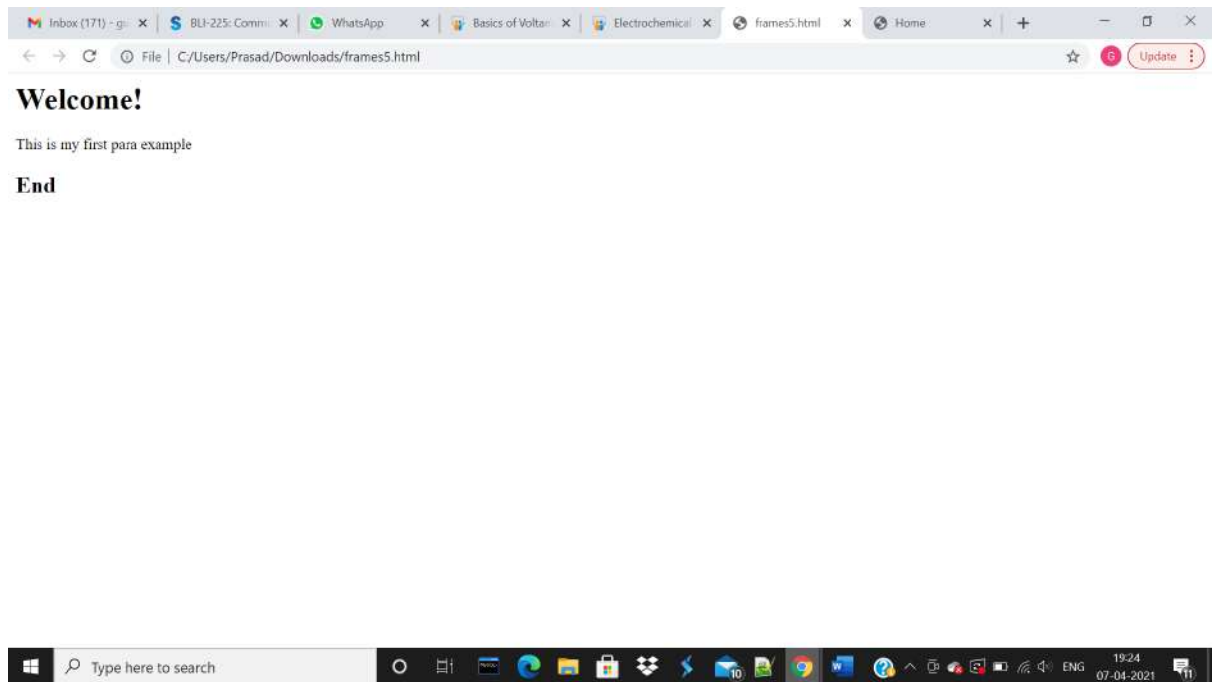


```
1 <html>
2 <body>
3 <h1> Welcome! </h1>
4 <p>This is my first para example</p>
5 <body>
6 <script type="text/javascript"> function display()
7 {
8   var a= window.prompt("enter first value", "0"); var b=window.prompt ("enter second value", "0"); var prod = a * b;
9   return prod;
10 }
11 var product = display ();
12 window.alert ("the product is => " + product);
13 </script>
14 <h2> End </h2>
15 </body>
16 </html>
```

Hyper Text Markup Language file length : 397 lines : 20 Ln : 14 Col : 15 Sel : 0 | 0 Windows (CR LF) UTF-8 OVR







2. Create a webpage to calculate perimeter of any 3 geometric shapes(make use of html forms and dialogue box)

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
Area AND Perimeter
```

```
</head>
```

```
<body>
```

```
<h2>
```

```
Welcome !
```

```
</h2>
```

```
<p> The Triangle Square and Circle are of side is 20cm </p>
```

```
<p>
```

```
Press the button to get the area and perimeter of all the shapes.
```

```
</p>
```

```
<p id = "para"></p>
```

```
<p id = "para1"></p>
```

```
<p id = "para2"></p>
```

```
<p id = "para3"></p>
```

```
<p id = "para4"></p>
```

```
<p id = "para5"></p>
```

```
<button onclick = "fun()"> CLICK </button>
```

```
<script>
```

```
var r = 20;
```

```
function fun()
```

```
{
```

```
document.getElementById('para').innerHTML = 'The area of triangle with side 20cm is: '
+ 0.432 * r * r ;
```

```
document.getElementById('para1').innerHTML = 'The perimeter of triangle with side
20cm is: ' + 3 * r ;
```

```
document.getElementById('para2').innerHTML = 'The area of corcle with radius 20cm is: ' + 3.14 * r * r ;
```

```
document.getElementById('para3').innerHTML = 'The perimeter of circle with radius 20cm is: ' + 2 * 3.14 * r ;
```

```
document.getElementById('para4').innerHTML = 'The area of Square with side 20cm is: ' + r * r ;
```

```
document.getElementById('para5').innerHTML = 'The perimeter of Square with side 20cm is: ' + 4 * r ;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   Area AND Perimeter
5 </head>
6 <body>
7   <h2>
8     Welcome !
9   </h2>
10  <p> The Triangle Square and Circle are of side is 20cm </p>
11  <p>
12    Press the button to get the area and perimeter of all the shapes.
13  </p>
14  <p id = "para"></p>
15  <p id = "para1"></p>
16  <p id = "para2"></p>
17  <p id = "para3"></p>
18  <p id = "para4"></p>
19  <p id = "para5"></p>
20  <button onclick = "fun()" > CLICK </button>
21
22 <script>
23   var r = 20;
24   function fun ()
25   {
26     document.getElementById('para').innerHTML = 'The area of triangle with side 20cm is: ' + 0.432 * r * r ;
27     document.getElementById('para1').innerHTML = 'The perimeter of triangle with side 20cm is: ' + 3 * r ;
28
29     document.getElementById('para2').innerHTML = 'The area of corcle with radius 20cm is: ' + 3.14 * r * r ;
30     document.getElementById('para3').innerHTML = 'The perimeter of circle with radius 20cm is: ' + 2 * 3.14 * r ;
31
32     document.getElementById('para4').innerHTML = 'The area of Square with side 20cm is: ' + r * r ;
33     document.getElementById('para5').innerHTML = 'The perimeter of Square with side 20cm is: ' + 4 * r ;
34   }
35 </script>
36
37 </body>
38 </html>

```

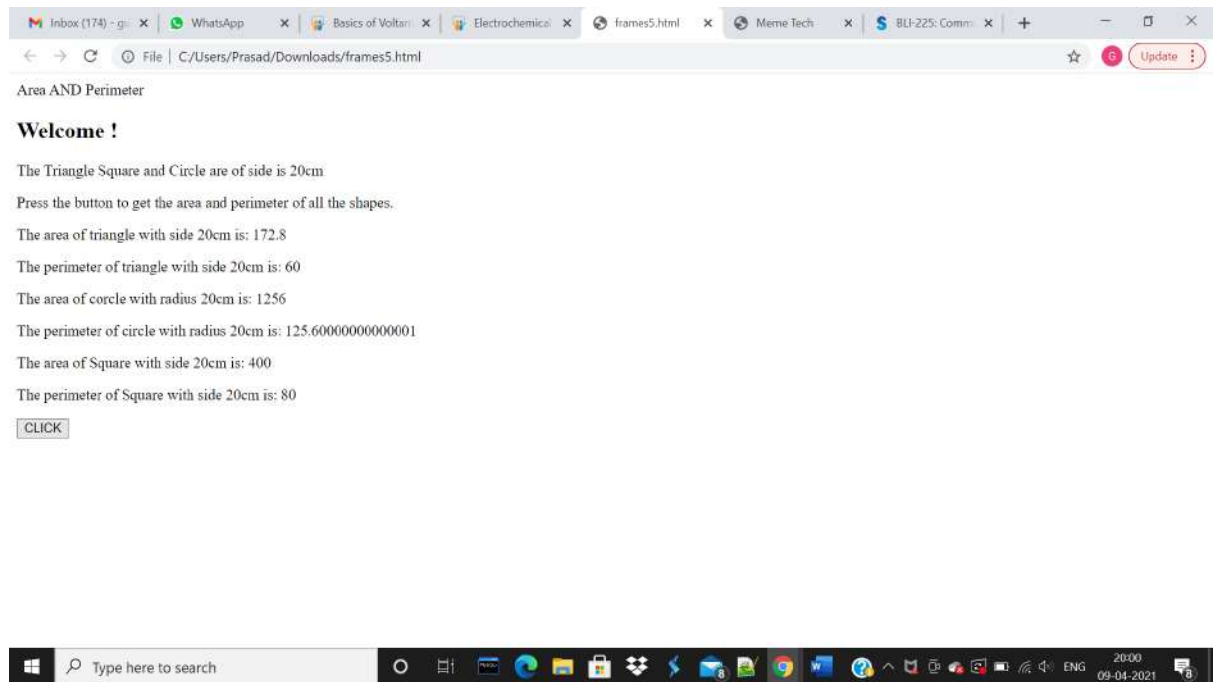
```

*CAUsers\Prasad\Downloads\frames5.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
7 <h2>
8 Welcome !
9 </h2>
10 <p> The Triangle Square and Circle are of side is 20cm </p>
11 <p>
12 Press the button to get the area and perimeter of all the shapes.
13 </p>
14 <p id = "para"></p>
15 <p id = "para1"></p>
16 <p id = "para2"></p>
17 <p id = "para3"></p>
18 <p id = "para4"></p>
19 <p id = "para5"></p>
20 <button onclick = "fun()" "> CLICK </button>
21
22 <script>
23 var r = 20;
24 function fun ()
25 {
26 document.getElementById('para').innerHTML = 'The area of triangle with side 20cm is: ' + 0.432 * r * r ;
27 document.getElementById('para1').innerHTML = 'The perimeter of triangle with side 20cm is: ' + 3 * r ;
28
29 document.getElementById('para2').innerHTML = 'The area of corcle with radius 20cm is: ' + 3.14 * r * r ;
30 document.getElementById('para3').innerHTML = 'The perimeter of circle with radius 20cm is: ' + 2 * 3.14 * r ;
31
32 document.getElementById('para4').innerHTML = 'The area of Square with side 20cm is: ' + r * r ;
33 document.getElementById('para5').innerHTML = 'The perimeter of Square with side 20cm is: ' + 4 * r ;
34 }
35 </script>
36 </body>
37 </html>

```

Hyper Text Markup Language file length: 1,121 lines: 37 Ln: 37 Col: 8 Sel: 0 | 0 Windows (CR LF) UTF-8 CWR





14. Working with JavaScript events

1. Create a webpage demonstrate onClick event.

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<h1>The onclick Event</h1>
```

```
<p>This is the function for onclick Even: The onclick event is used to trigger a function when an element is clicked on.</p>
```

```
<p>Click the button to trigger a function that will output "How Java" in a p element with id="demo".</p>
```

```
<button onclick="myFunction()">Click me</button>
```

```
<p id="demo"></p>
```

```
<script>
```

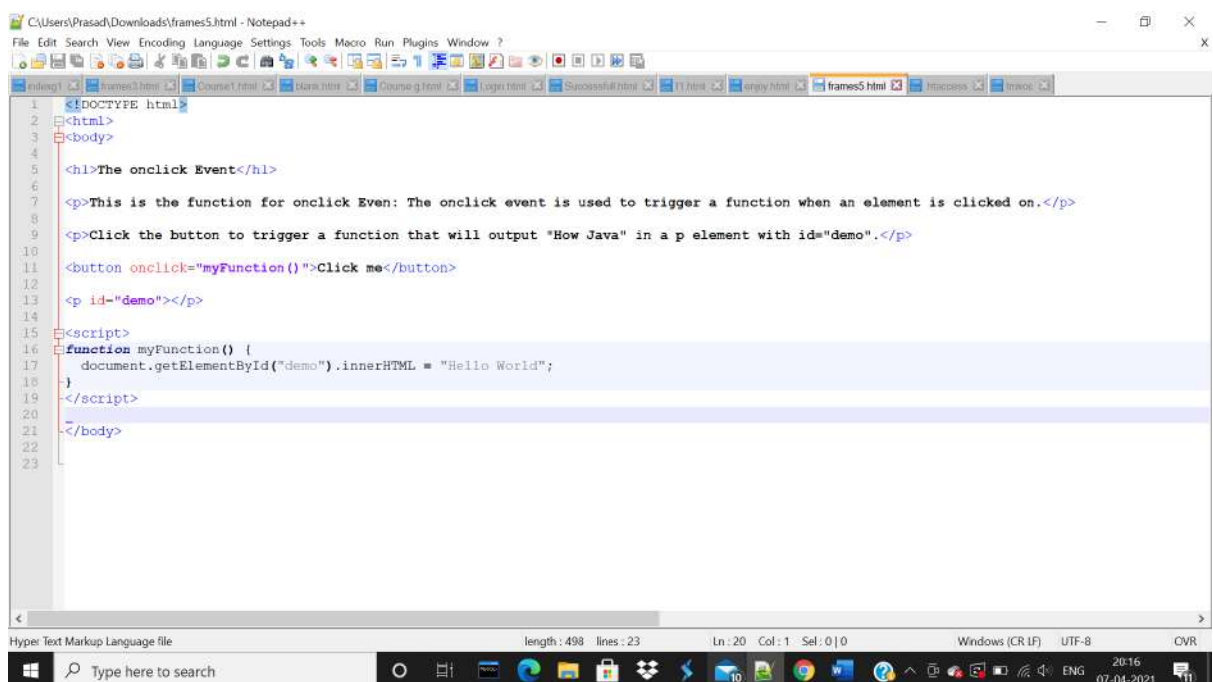
```
function myFunction() {
```

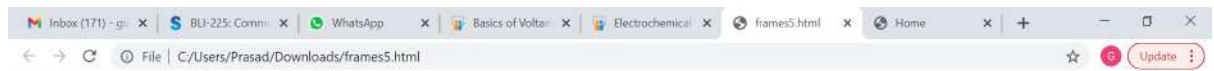
```
    document.getElementById("demo").innerHTML = "Hello World";
```

```
}
```

```
</script>
```

```
</body>
```





The onclick Event

This is the function for onclick Event: The onclick event is used to trigger a function when an element is clicked on.

Click the button to trigger a function that will output "How Java" in a p element with id="demo".

Click me



The onclick Event

This is the function for onclick Event: The onclick event is used to trigger a function when an element is clicked on.

Click the button to trigger a function that will output "How Java" in a p element with id="demo".

Click me

Hello World



2. Create a webpage demonstrate onFocus event.

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

Enter your name: <input type="text" onFocus="myFunction(this)">

<p>When the input field gets focus, a function is triggered which changes the background-color.</p>

```
<script>
```

```
function myFunction(x) {
```

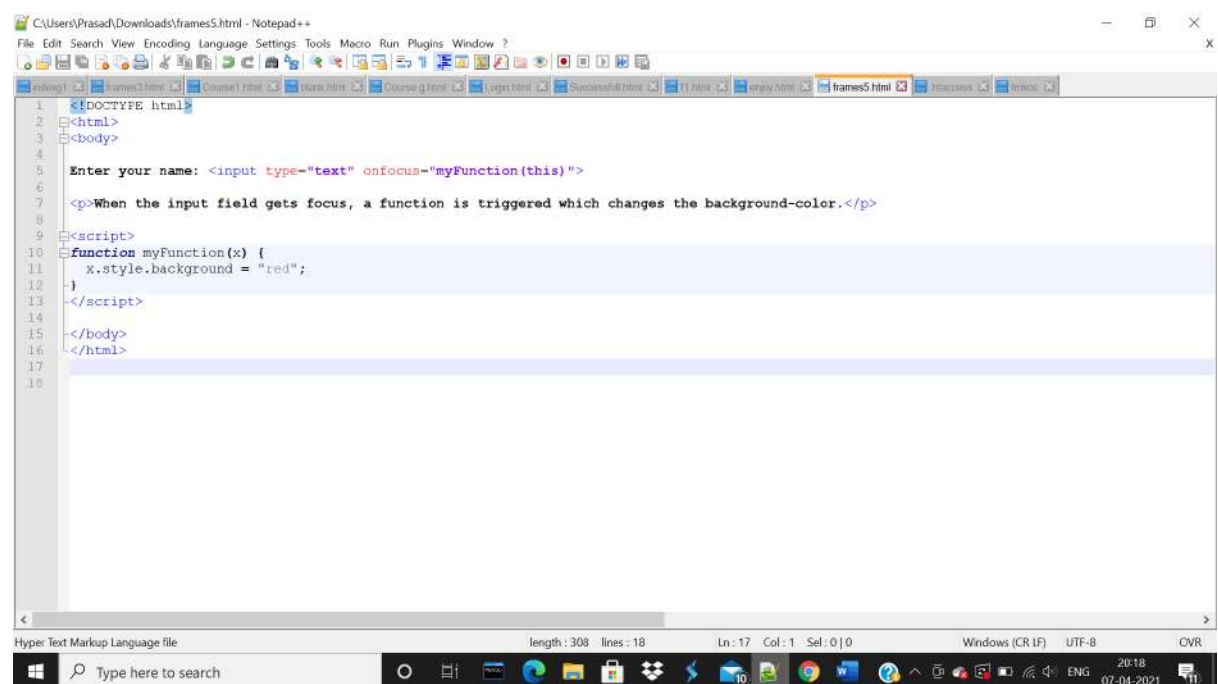
```
    x.style.background = "red";
```

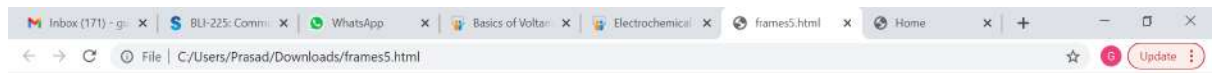
```
}
```

```
</script>
```

```
</body>
```

```
</html>
```





Enter your name:

When the input field gets focus, a function is triggered which changes the background-color.



Enter your name: RAJ

When the input field gets focus, a function is triggered which changes the background-color.



3. Create a webpage demonstrate onChange event.

Code:

```
<!DOCTYPE html>

<html>

<body>

<p>Select a new car from the list.</p>

<select id="mySelect" onchange="myFunction()">

  <option value="I10">I10</option>

  <option value="MARUTI800">MARUTI800</option>

  <option value="Mercedes">Mercedes</option>

  <option value="BMW">BMW</option>

</select>

<p>When you select a new car, a function is triggered which outputs the value of the
selected car.</p>

<p id="demo"></p>

<script>

function myFunction() {

  var x = document.getElementById("mySelect").value;

  document.getElementById("demo").innerHTML = "You selected: " + x;

}

</script>

</body>

</html>
```

The screenshot displays a Notepad++ window editing a file named `frames5.html`. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <p>Select a new car from the list.</p>
6
7 <select id="mySelect" onchange="myFunction()">
8   <option value="I10">I10</option>
9   <option value="MARUTI800">MARUTI800</option>
10  <option value="Mercedes">Mercedes</option>
11  <option value="BMW">BMW</option>
12 </select>
13
14 <p>When you select a new car, a function is triggered which outputs the value of the selected car.</p>
15
16 <p id="demo"></p>
17
18 <script>
19 function myFunction() {
20   var x = document.getElementById("mySelect").value;
21   document.getElementById("demo").innerHTML = "You selected: " + x;
22 }
23 </script>
24
25 </body>
26 </html>
27
28
```

Below the code editor, a browser window is shown displaying the rendered HTML. It features a dropdown menu with the following options: I10, MARUTI800, Mercedes, and BMW. The text "Select a new car from the list." is visible above the dropdown. The browser's address bar shows the file path `C:/Users/Prasad/Downloads/frames5.html`.