Indian Institute of Information technology Sonepat

Web Development
(Practical File)
Semester-II Freshmen Year

Under the guideance of:
prof. Sunita Sharma
faculty member IIIT sonepat

Subitted by:
VAIBHAV BHASKAR
11912060
IT   Information Technology

<u>Acknowledgement</u>

I would like to express my special thanks of gratitude to my professor **Prof. Sunita Sharma** for his able guidance and support in performing and completing my lab practicals. The practicals helped me in doing a lot of research and I came to know about so many new things; I am really thankful to her.

I would also like to extend my gratitude to our director **Dr. M. N. Doja** for providing us with all the facilities that were required.

June 15, 2020

Vaibhav Bhaskar
11912060
IT

Index

Sno.	Experiment	Signature
1.	Create an HTML 5 document that use: • Image as an email link. • Use **alt** attribute to provide the description of image. • Use attribute **alt** to provide the description of inage link.	
2.	Use HTML 5 document that contain following text: • Welcome to the web application lab IIIT Sonepat • Welcome to the world of internet programming • We have provided coverage for many internet related topics	
3.	Use a JavaScript function to find the square of numbers from 1 to 50.	
4.	Write a program that simulates rolling a six sided dice 30 times (using javascript **random function**)	
5.	Add two numbers using **javascript closure**	
6.	Create a form with fields textboxand submit button and check the username with the help of **regular expression**.	
7.	Create the **prompt dialog box** to obtain input from the user, compute the sum of the values and display the result.	
8.	Write a code in javascript to handle the exception (using try, catch block)	
9.	Write a code in to create a javascript **cookie** on client machine.	

**Note: Source code of all the experiment can be accessed from:
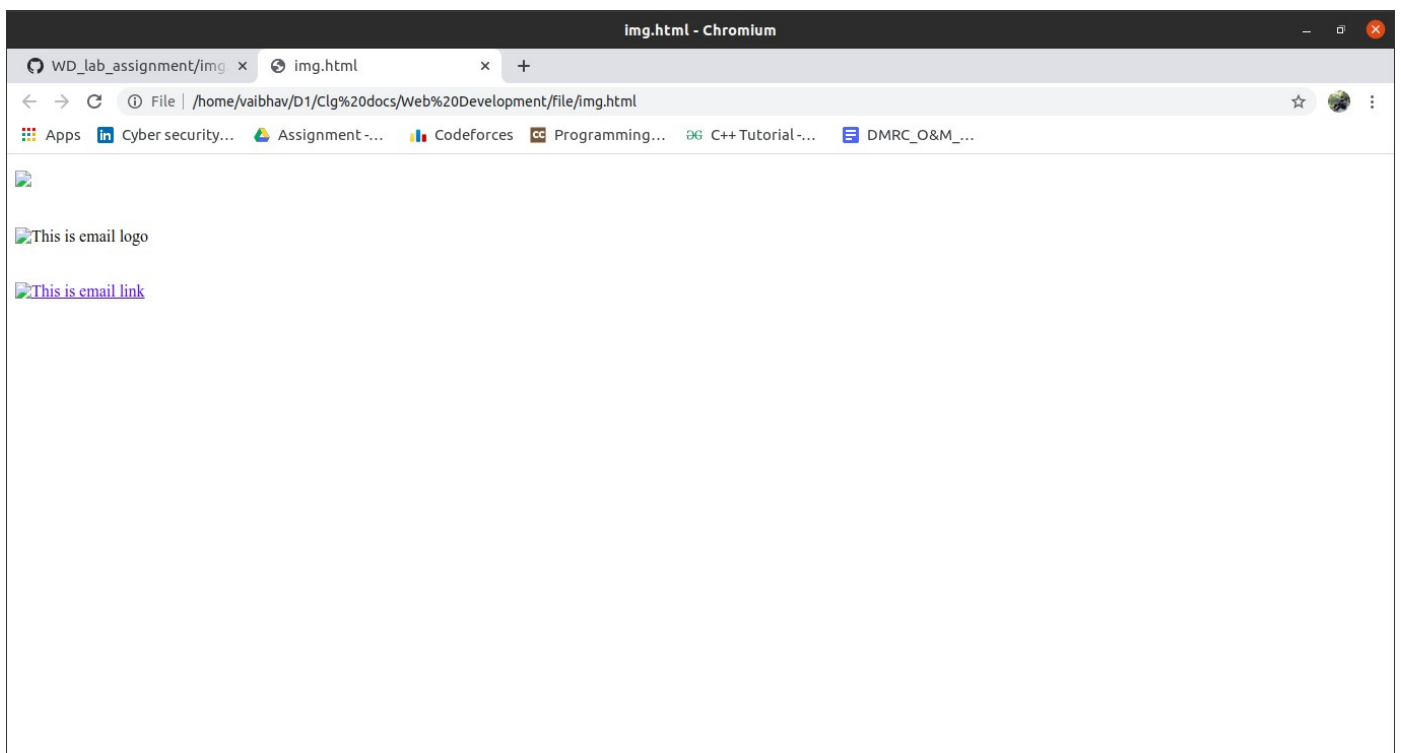https://github.com/vaibhav-0990/WD_lab_assignment

Experiment: 1

Create an HTML 5 document that use:
- **Image as an email link.**
- **Use alt attribute to provide the description of image.**
- **Use attribute alt to provide the description of inage link.**

Code:

```
<!DOCTYPE html>
<html>
<body>
<p>
<a href="mailto:abc@gmail.com"><img src="c:\users\vaib0\Desktop\cybersecurity-2019.JPG" />
</a>
<br>
<br>
<br>
<img src="" alt="This is email logo">
<br>
<br>
<br>
<a href="mailto:abc@gmail.com"><img src="" alt="This is email link" /></a>
</p>
</body>
</html>
```
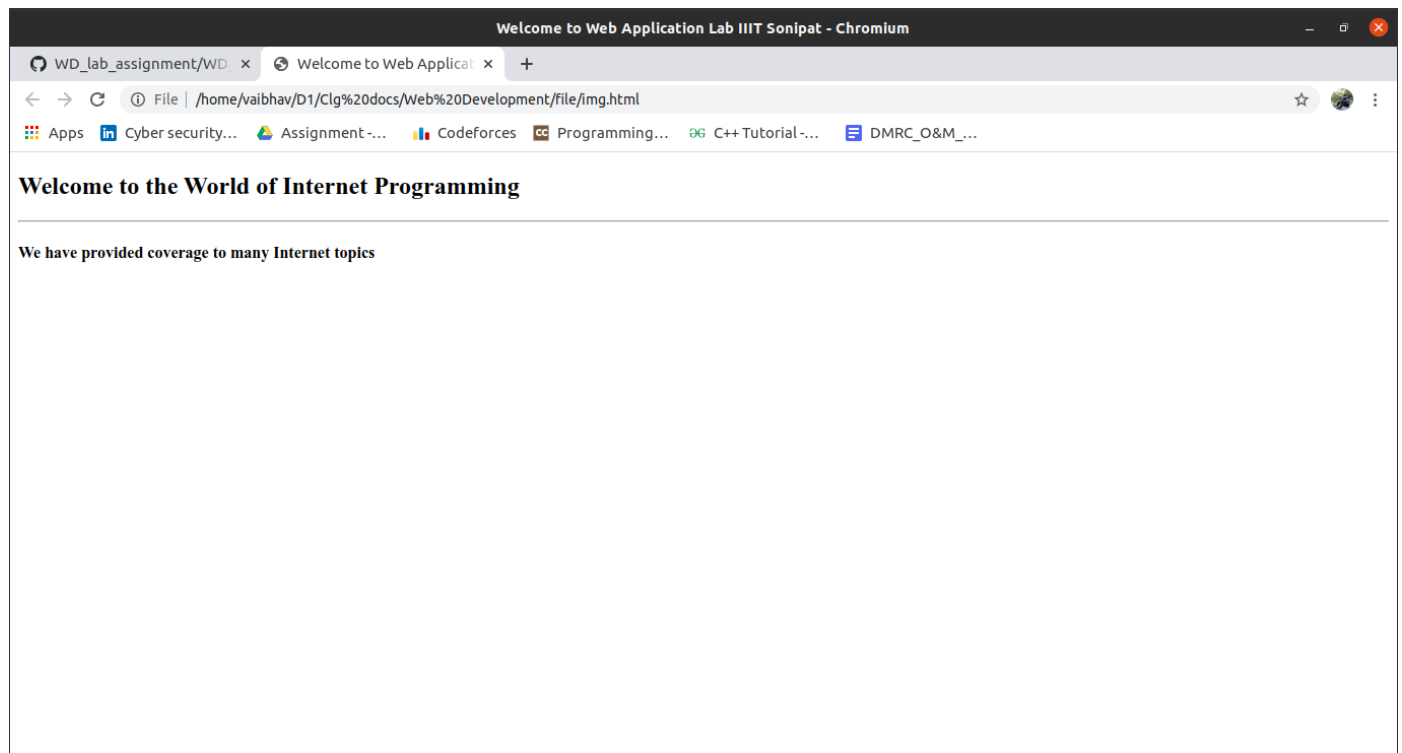
Output:

Experiment: 2

Use HTML 5 document that contain following text:
- **Welcome to the web application lab IIIT Sonepat**
- **Welcome to the world of internet programming**
- **We have provided coverage for many internet related topics**

Code:

```
<!DOCTYPE html>
<html>
<head>
   <meta charset="utf-8">
   <title>Welcome to Web Application Lab IIIT Sonipat</title>
</head>
<body>
   <h2>Welcome to the World of Internet Programming</h2>
   <hr>
   <h4>We have provided coverage to many Internet topics</h4>
</body>
</html>
```

Output:

Experiment: 3

Use a JavaScript function to pfind the square of number from 1 to 50.

Code:

```
<!DOCTYPE html>
<html>
<head>
     <title>javascript closure</title>
     <script type="text/javascript">
     function square(x)
     {
   result =x*x;
   document.write(result);
     }
     for (var i=1;i<=50;i++)
     {
          square(i);
          document.write("</br>");
     }

     </script>
</head>
<body>
<script type="text/javascript">

</script>
</body>
</html>
```

Experiment: 4

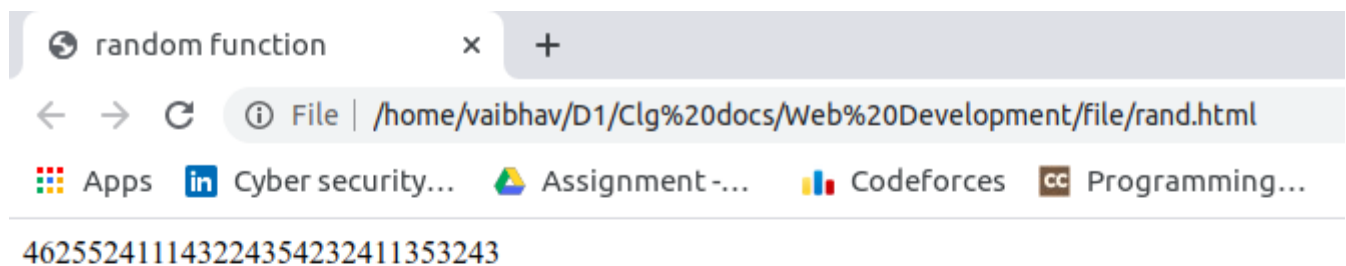**Write a program that simulates rolling a six sided dice 30 times (using javascript random function)**

Code:

```html
<!DOCTYPE html>
<html>
<head><title>random function</title></head>
<body>
    <script>
    for(var i=0; i<30; i++){
        var num=Math.floor(Math.random()*6+1);
        document.write(num);
    }
    </script>
<body>
</html>
```

Output:

462552411143224354232411353243

Experiment: 5

Add two numbers using javascript closure

Code:
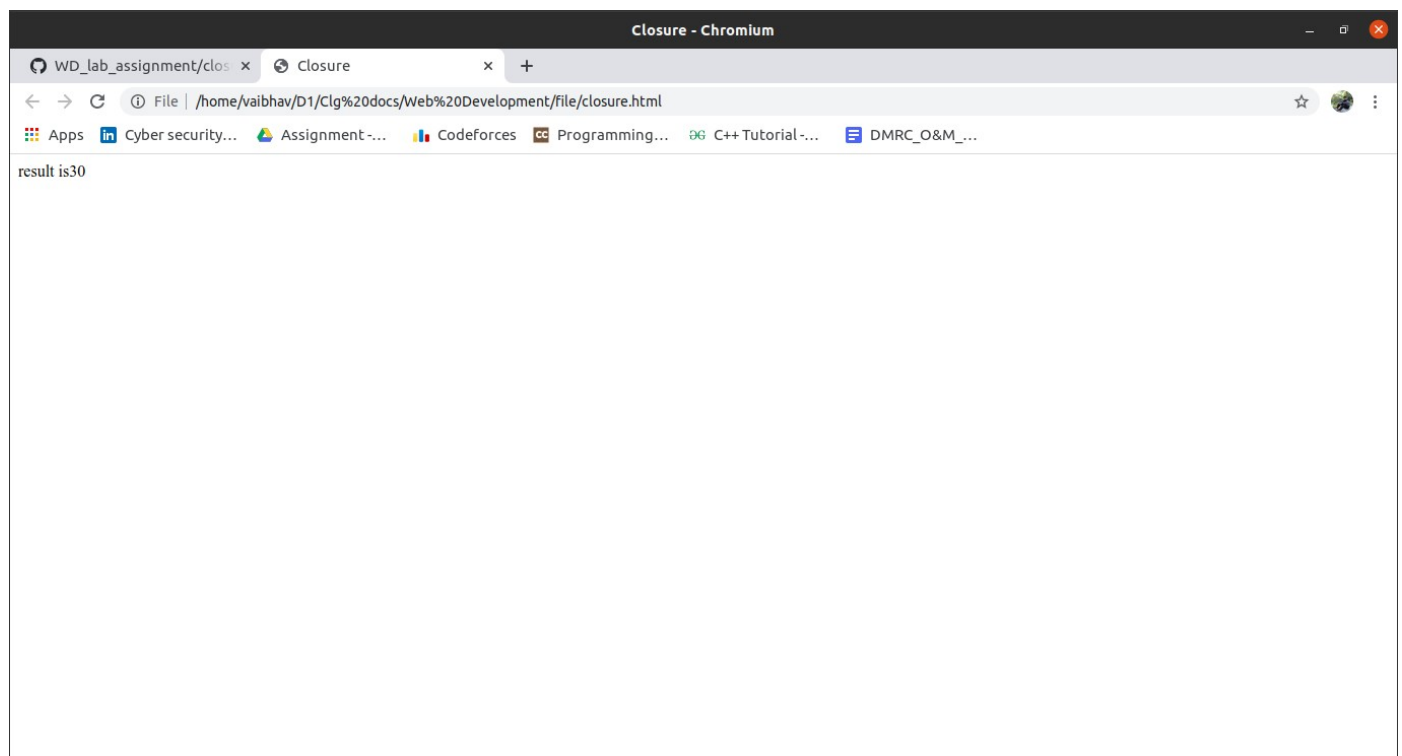
```
<html>
<head>
   <title>Closure</title>
   <script>
      function addnumbers(fno,sno)
      {
         var rname="result is";
         function add()
         {
            return rname+(fno+sno);
         }
         return add();
      }
      var result=addnumbers(10,20);
      document.write(result);

   </script>
         </head>
   <body></body>
</html>
```
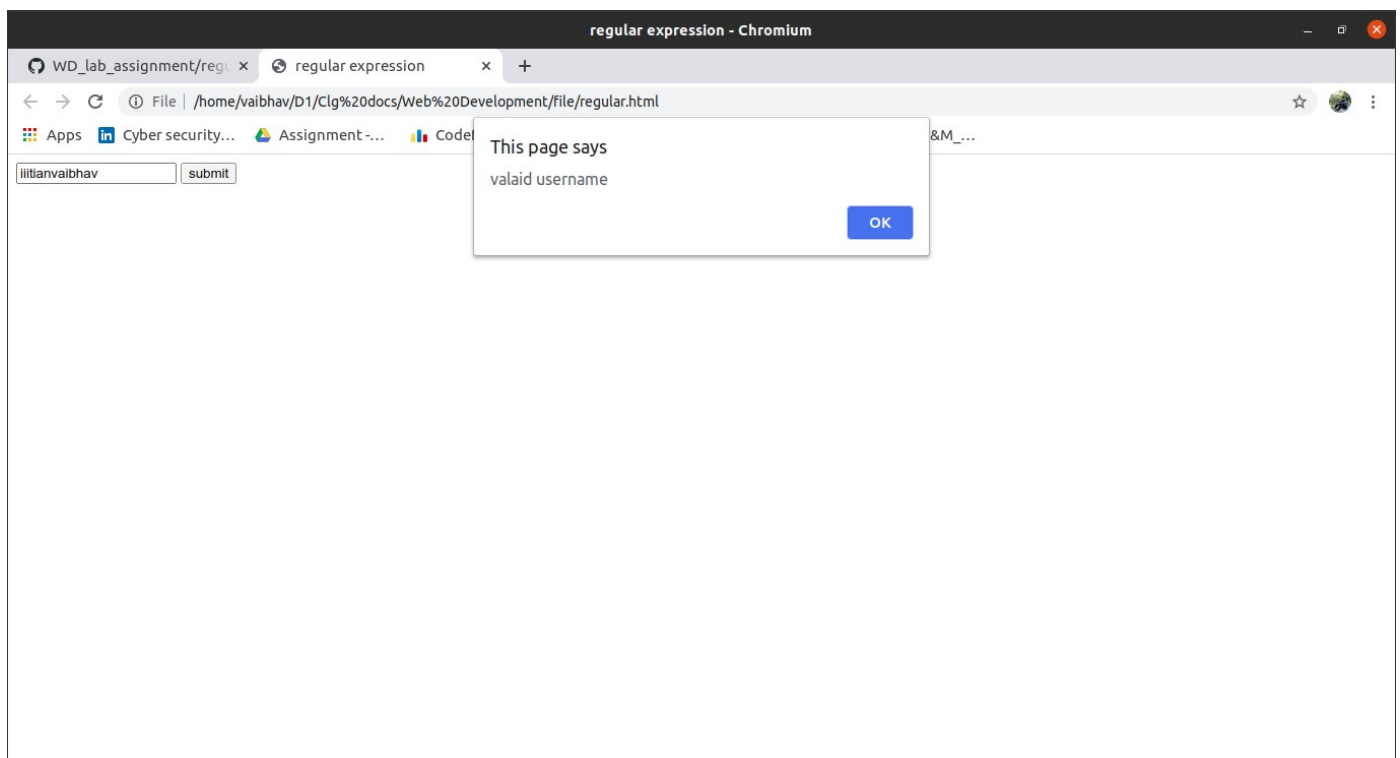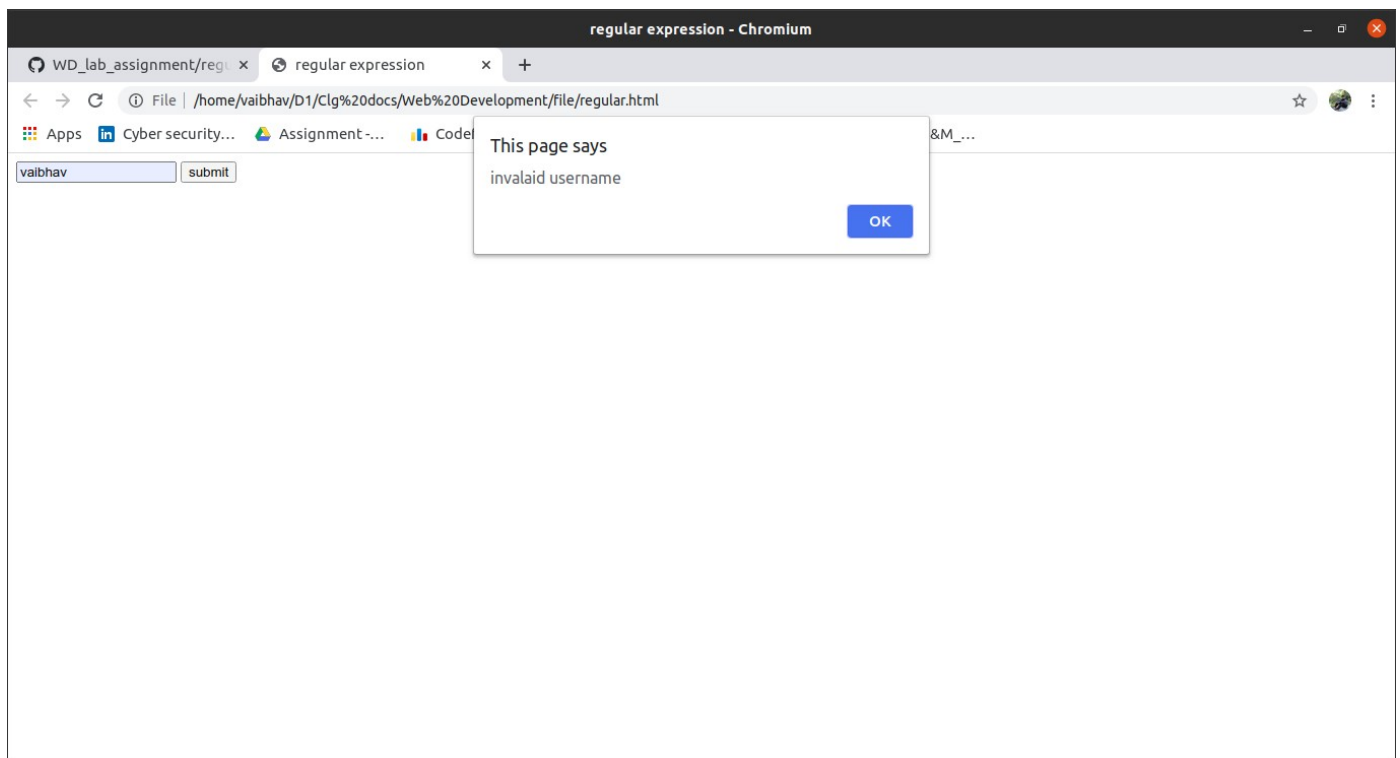
Output:

Experiment: 6

Create a form with fields textboxand submit button and check the username with the help of regular expression.

Code:

```html
<html>
<head>
   <title>regular expression</title>
   <script>
     function validate() {
        var username = document.getElementById("uname").value;
        var regx = /iiitian/i;
        if (regx.test(username)) {
           alert("valaid username");
        } else {
           alert("invalaid username");
        }
     }
   </script>
</head>
<body>
   <form action="message.html">
      <input id="uname" placeholder="username" type="text" />
      <button onclick="validate()" type="button">submit</button>
   </form>
</body>
</html>
```
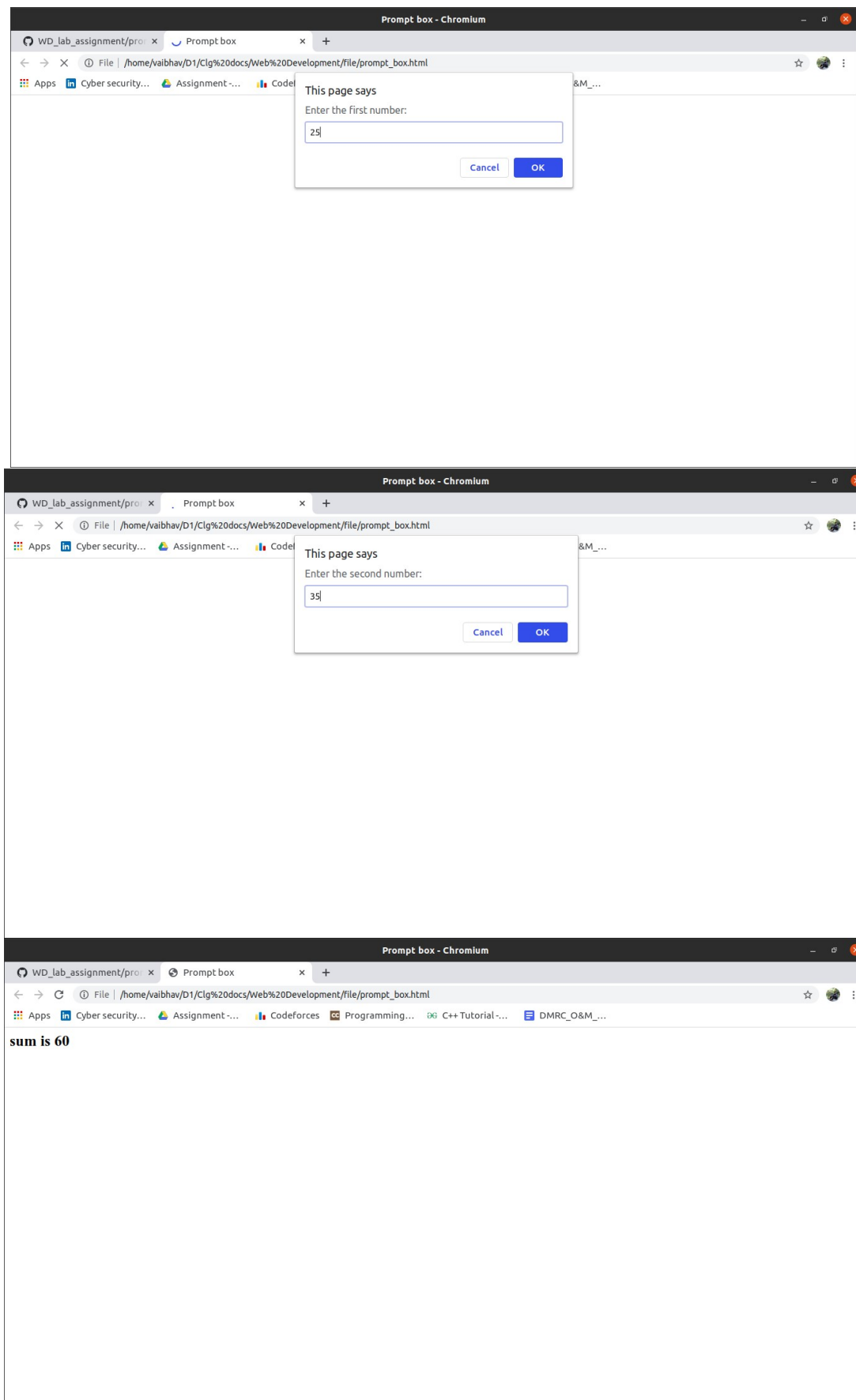
Experiment: 7

Create the prompt dialog box to obtain input from the user, compute the sum of the values and display the result.

Code:

```html
<html>
<head>
  <title>Prompt box</title>
  <script>
    var firstnumber;
    var secondnumber;
    firstnumber = prompt("Enter the first number:");
    secondnumber = prompt("Enter the second number:");
    var num1 = parseInt(firstnumber);
    var num2 = parseInt(secondnumber);
    var sum = num1 + num2;
    document.writeln("<h2>sum is" + " " + sum + "</h2>");
  </script>
</head>
</html>
```
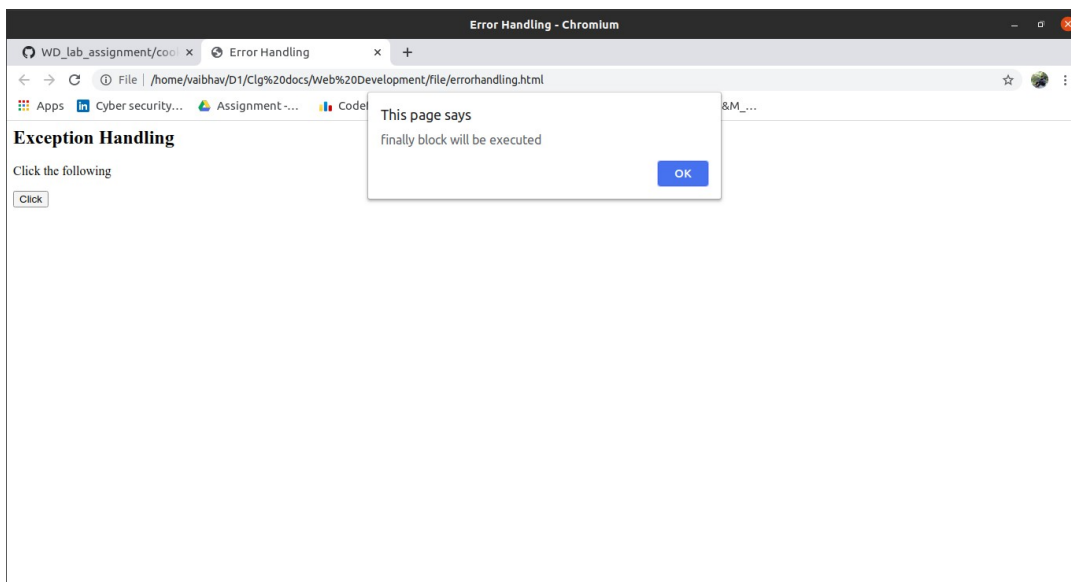
Experiment: 8

Write a code in javascript to handle the exception (using try, catch block)

Code:

```
<html>
  <head>
    <title>Error Handling</title>
  </head>
  <body>
    <h2>Exception Handling</h2>
    <script>
      function code()
      {
        var a=100;
        try{
          var s=a.touppercase();
          alert("value of variable is"+a);
        }
        catch(err){
          alert(error);
          document.write("error is produced");
        }
        finally{
          alert("finally block will be executed");
        }
      }
    </script>
    <p>Click the following</p>
    <form>
      <input type="button" value="Click" class="btn" onclick="code()">
    </form>
  </body>
</html>
```

Output:

Experiment: 9

Write a code in to create a javascript cookie on client machine.

Code:

```
<html>
<head>
  <script>
    function create() {
      if (document.myform.username.value == "") {
        alert("you haven't entered anything, enter some value.");
      }
      var cookievalue = escape(document.myform.username.value);
      document.cookie = "your username=" + cookievalue;
      document.write("setting cookie :" + "username=" + cookievalue);
    }
  </script>
</head>
<body>
  <form name="myform">
    <input type="text" name="username" />
    <input type="button" value="cookie" onclick="create();" />
  </form>
</body>
</html>
```

Output: