jims
Sector-5, Rohini, Delhi

Web Technologies

Submitted for the partial fulfillment
of
Bachelors of Computer Application
(2018-2021)

Under Supervision of:

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Submitted by:

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35614002018

ACKNOWLEDGMENT

I SNEHI KAUSHIK take this opportunity to present my votes of thanks to my esteemed faculty

Ms. Ankita Chopra who really acted as pillars to help my way throughout the completion of this practical file. I feel a great sense of gratitude for her under whose guidance and motivation this work has been performed.

I would also like to express my thanks to all lab assistants for giving me an opportunity to work smoothly in the labs. This file would not have completed without their help and coordination.

The inspiration of the faculty members of the Information Technology Department of Jims Rohini (sec-5) enabled me to make a thorough study of these subjects.

SNEHI KAUSHIK

Enroll. Number: 35614002018

Date: 19/04/2020

CERTIFICATE

This is to certify that the student SNEHI KAUSHIK has done bonafide work for the purpose of the subject web technologies of BCA, IVth semester under the supervision of **Ms. Ankita Chopra** during the academic year 2018-2021

Ms. Ankita Chopra

Asst. Professor (IT)

JIMS, Rohini

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EXERCISE- I

STATIC HTML TAGS

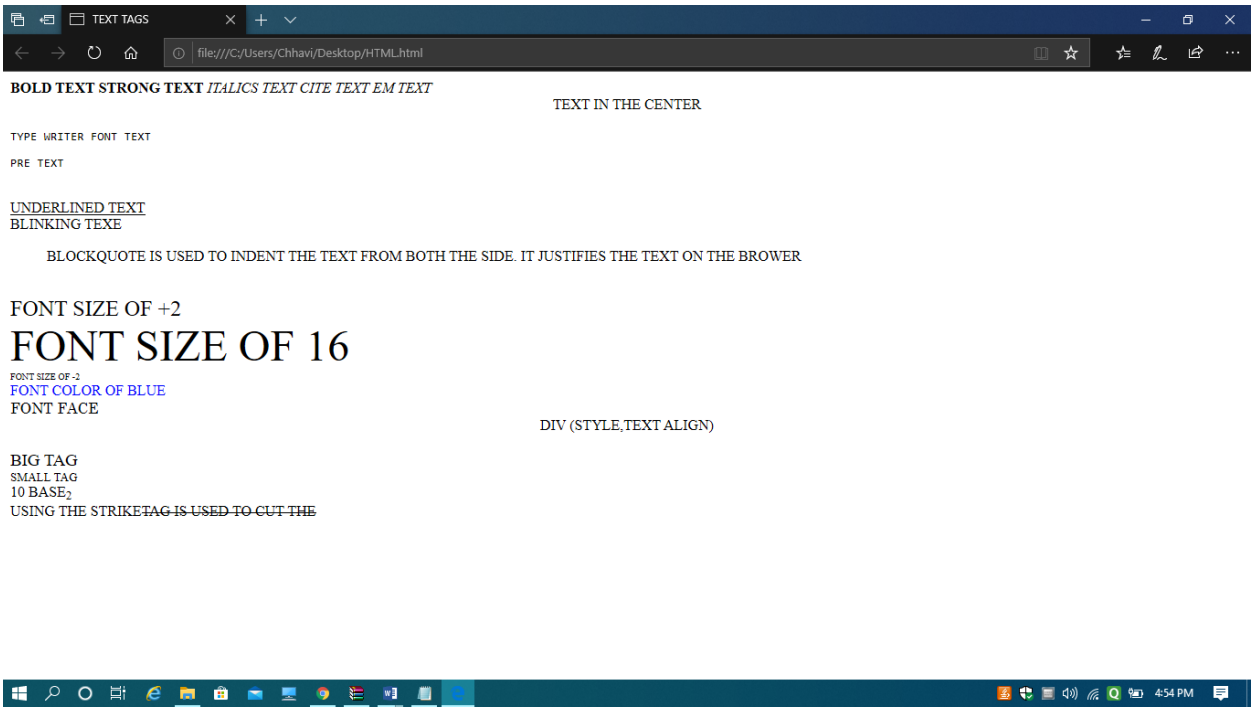
AIM: Implement all text formatting tags in SHTML

CODE:

```
<HTML>
<HEAD>
<TITLE>  TEXT TAGS </TITLE>
</HEAD>
<BODY>

  <B>BOLD TEXT</B>
  <STRONG>STRONG TEXT</STRONG>
  <I>ITALICS TEXT</I>
  <CITE>CITE TEXT</CITE>
  <EM>EM TEXT</EM> <BR>
  <CENTER>TEXT IN THE CENTER</CENTER><BR>
  <TT>TYPE WRITER FONT TEXT </TT><BR>
  <PRE>PRE TEXT</PRE> <BR>
  <U>UNDERLINED TEXT</U><BR>
 <BLINK>BLINKING TEXE</BLINK><BR>
 <BLOCKQUOTE> BLOCKQUOTE IS USED TO INDENT THE TEXT FROM BOTH THE SIDE. IT JUSTIFIES THE TEXT ON THE BROWER</BLOCKQUOTE><BR>
 <FONT SIZE=+2>FONT SIZE OF +2</FONT><BR>
 <FONT SIZE=16>FONT SIZE OF 16</FONT><BR>
 <FONT SIZE=-2>FONT SIZE OF -2</FONT><BR>
```

```
<FONT COLOR="BLUE">FONT COLOR OF BLUE</FONT><BR>

<FONT FACE="CENTURY">FONT FACE</FONT><BR>

<DIV STYLE="BACKGROUND-COLOR:ORNGE; TEXT-ALIGN:CENTER">DIV (STYLE,TEXT ALIGN)</DIV><BR>

<BIG>BIG TAG</BIG><BR>

<SMALL>SMALL TAG</SMALL><BR>

10 BASE<SUB>2</SUB><BR>

USING THE STRIKE<STRIKE>TAG IS USED TO CUT THE </STRIKE><BR>

</BODY>

</HTML>
```

OUTPUT:



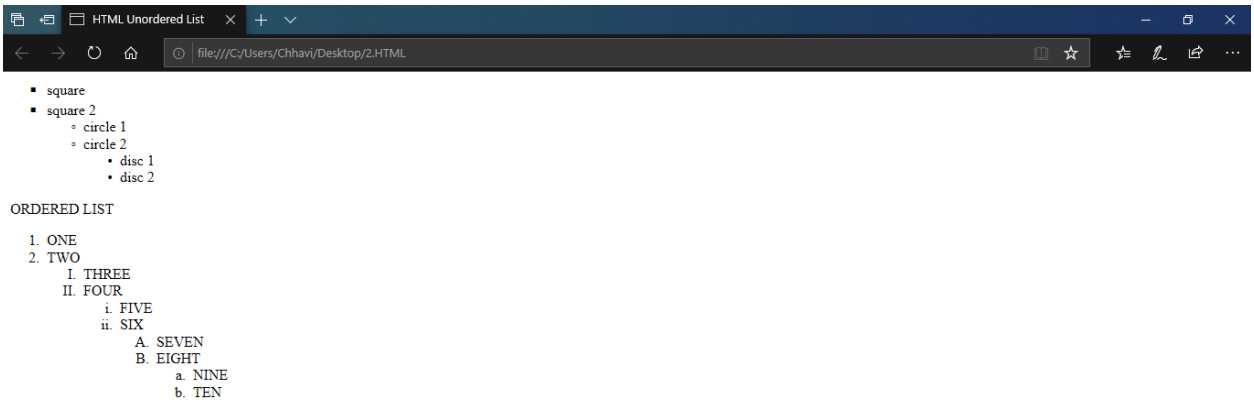
Aim: Implement Listing (ordered & Unordered) tags in SHTML.

Code:

```
<html>
  <head>
    <title>HTML Unordered List</title>
  </head>
  <body>
    <ul type = "square">
      <li>square</li>
      <li>square 2</li>
        <ul type="circle">
      <li>circle 1</li>
      <li>circle 2</li>
           <ul type="disc">
             <li>disc </li>
             <li>disc 2</li>
           </ul>
     </ul>
 </ul>
<p>ORDERED LIST</P>
    <ol type = "1">
      <li>ONE</li>
      <li>TWO</li>
   <ol type = "I">
      <li>THREE</li>
      <li>FOUR</li>
```

```
   <ol type = "i">
        <li>FIVE</li>
        <li>SIX</li>
  <ol type = "A">
        <li>SEVEN</li>
        <li>EIGHT</li>
<ol type = "a">
        <li>NINE</li>
        <li>TEN</li>
      </ol>
</ol>
</ol>
</ol>
</ol> </BODY> </HTML>
```

OUTPUT:

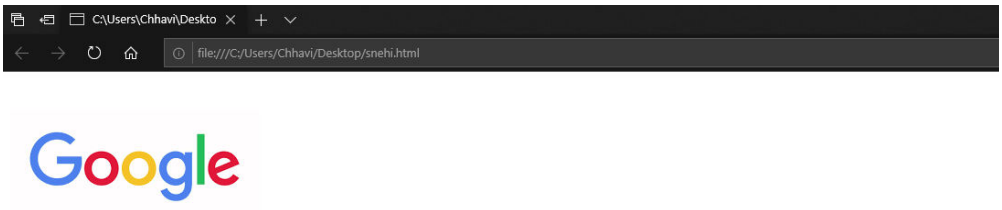


Aim: Implement Linking tags in SHTML (text & Image link)

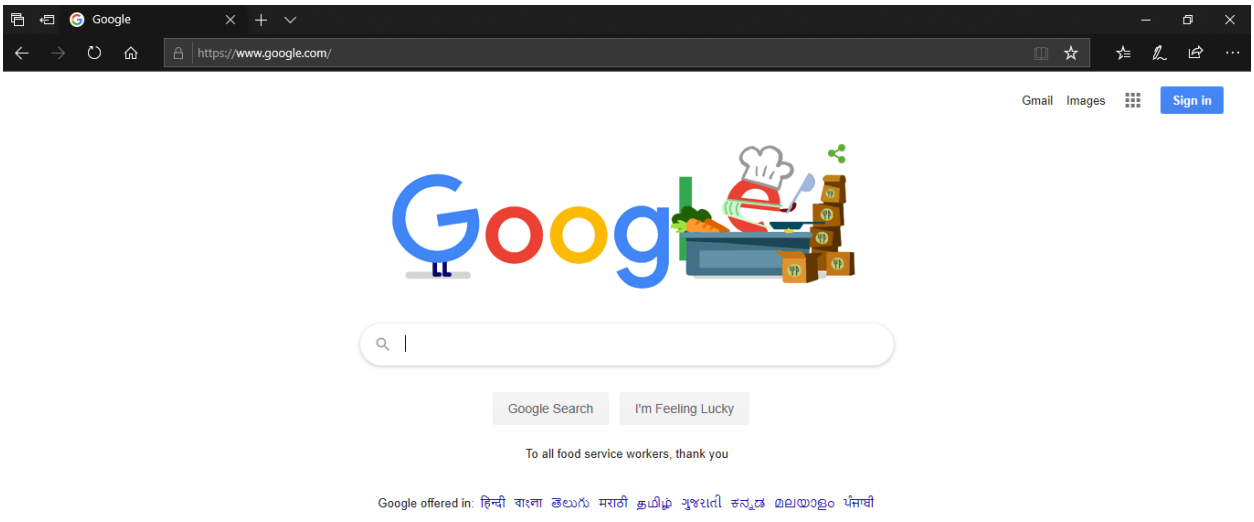
Code:

```
<html>

<body>

<a href="http://www.google.com">

<img src="google.jpg">

</a>

</body>

</html>
```

OUTPUT:



SCREEN 2:



Aim: Implement table tags in SHTML.

Code:

```
<html>
  <head>
    <title>HTML table Tag</title>
  </head>
  <body>
    <table border = "1" bordercolor="red"  cellpadding="10" cellspacing="10">
   <caption align="bottom">TABLE 1 </caption>
      <tr>
         <th bgcolor="blue">cell 1</th>
         <th>cell 2</th>
       </tr>
       <tr>
         <td><font color="yellow">cell 3 </font></td>
         <td> </td>
       </tr>
       <tr>
         <td colspan="2">cell 5</td>



</tr>
       <tr>
         <td>cell 6</td>
         <td>cell 7</td>
```

```
        </tr>
      </table>
    </body>
</html>
```

OUTPUT:

TABLE 1

Aim: Implement Form Tags in SHTML by creating REGISTRATION FORM(include all form controls)

Code:

```
<html>
<head><title>EXAMIPLE 0F FEEDBACK FORM</title></head>
<body>
<h2>feedback form</h2>
<p>Please fill this form</p>
<p><b>Name:</b>
<input type="text" name="Name" size="25"></p>
<p><b>Comments:</b>
<textarea name="comment" rows="4" cols="36"></textarea></p>
<p><b>Things you liked:</b></p>
Site Design
<input type="checkbox"   name="thing" value="design">
Links
<input type="checkbox"    name="thing"    value="links">
Ease Of Use
<input type="checkbox"     name="thing" value="Ease">
Images
<input type="checkbox" name="thing" value="lamges" >
Source Code
<input type="checkbox" name="thinng" value="code">
</p>


<p><b>How did you got to our site?:</b><br>
```

Search Engine:

<input type="radio" name="Getting Site" value="Search Engine" checked>

Links from other site

<input type="radio" name="Getting Site" value="Link">

Reference in a Book

<input type="radio" name="Getting Site" value="Book" >

Rate our Site(1-10):•

<Select name="Rating">

<option selected="selected">Amazing:-)</option>

<option>10</option>

<option>9</option>

<option>8</option>

<option>7</option>

<option>6</option>

<option>5</option>

<option>4</option>

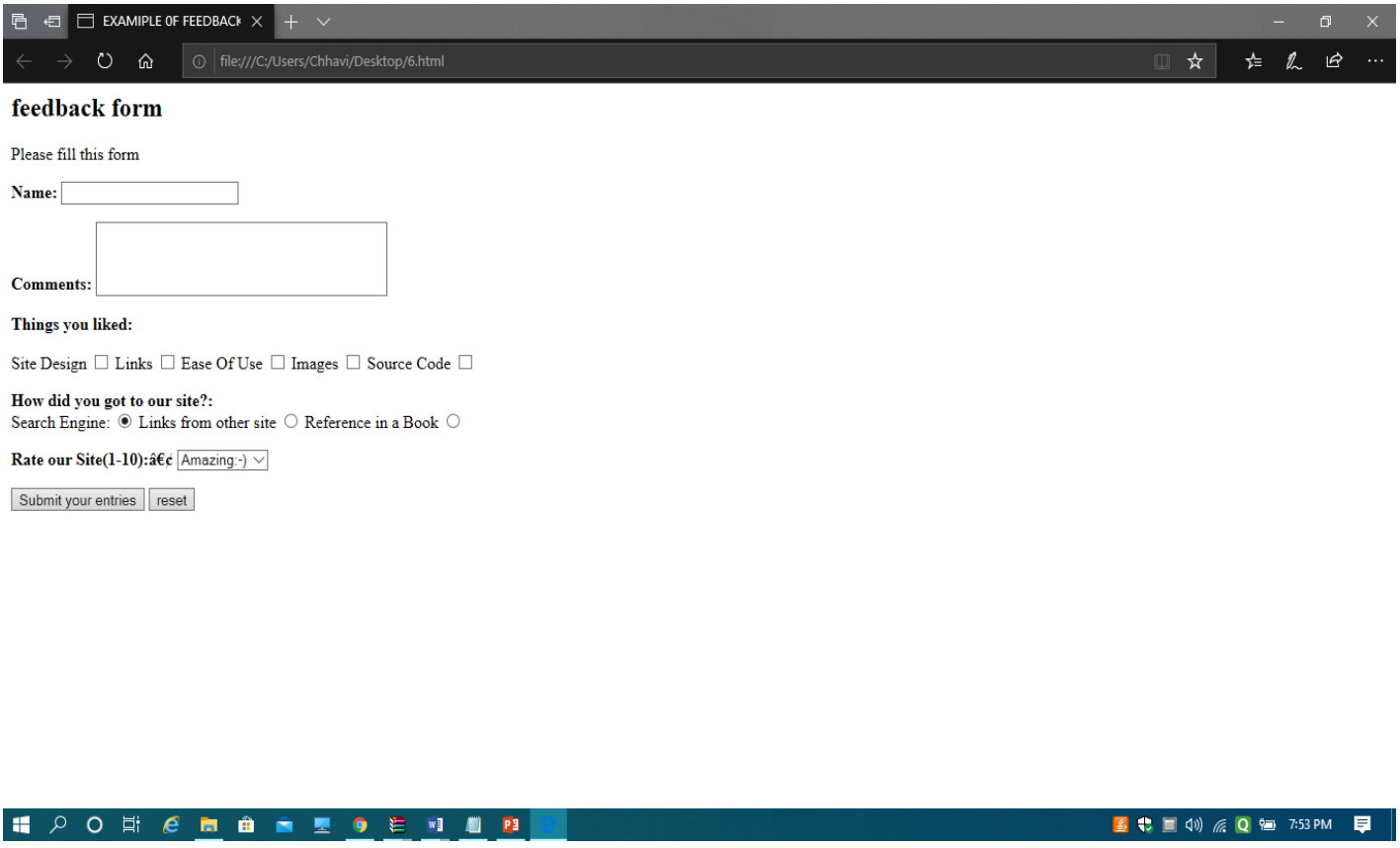
<option>3</option>

<option>2</option>

<option>1</option>

```
<option>The Pits;-(</option>

</select></p>


<input type="submit" value="Submit your entries">

<input type="reset"    value="reset">


</form></body></html>
```

OUTPUT:



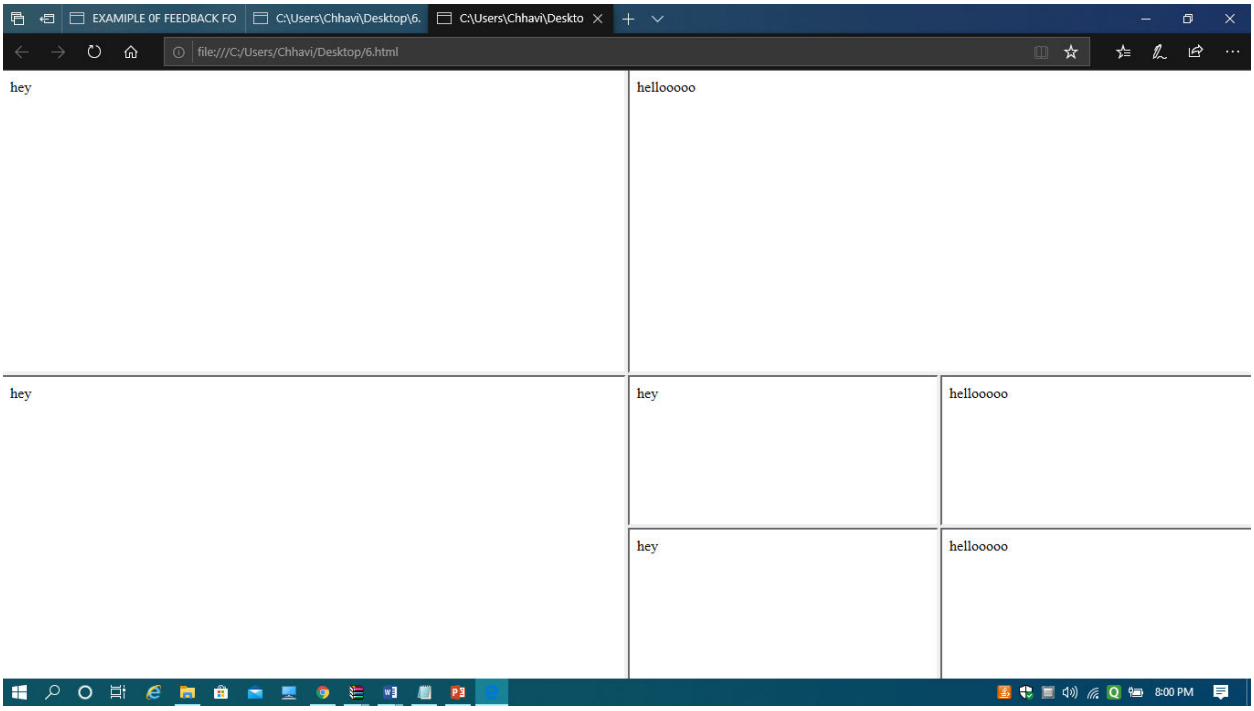
Aim: Implement frame tags in SHTML.

Code:

```
<html>
<head></head>

<frameset rows="50%,50%">

    <frameset cols="50%,50%">
        <frame src= "snehi.html" name="top left frame">
         <frame src="snehi2.html" name="bottom frame" >
     </frameset>

 <frameset cols="50%,50%">
        <frame src= "snehi.html" name="top left frame">
 <frameset rows="50%,50%">
 <frameset cols="50%,50%">


   <frame src= "snehi.html" name="top left frame" scrolling="yes">
    <frame src="snehi2.html" name="bottom frame" scrolling="yes" >
     </frameset>

<frameset cols="50%,50%">
```

```
    <frame src= "snehi.html" name="top left frame" scrolling="yes">
    <frame src="snehi2.html" name="bottom frame" scrolling="yes" >
     </frameset>
</frameset>
</html>
```

OUTPUT:



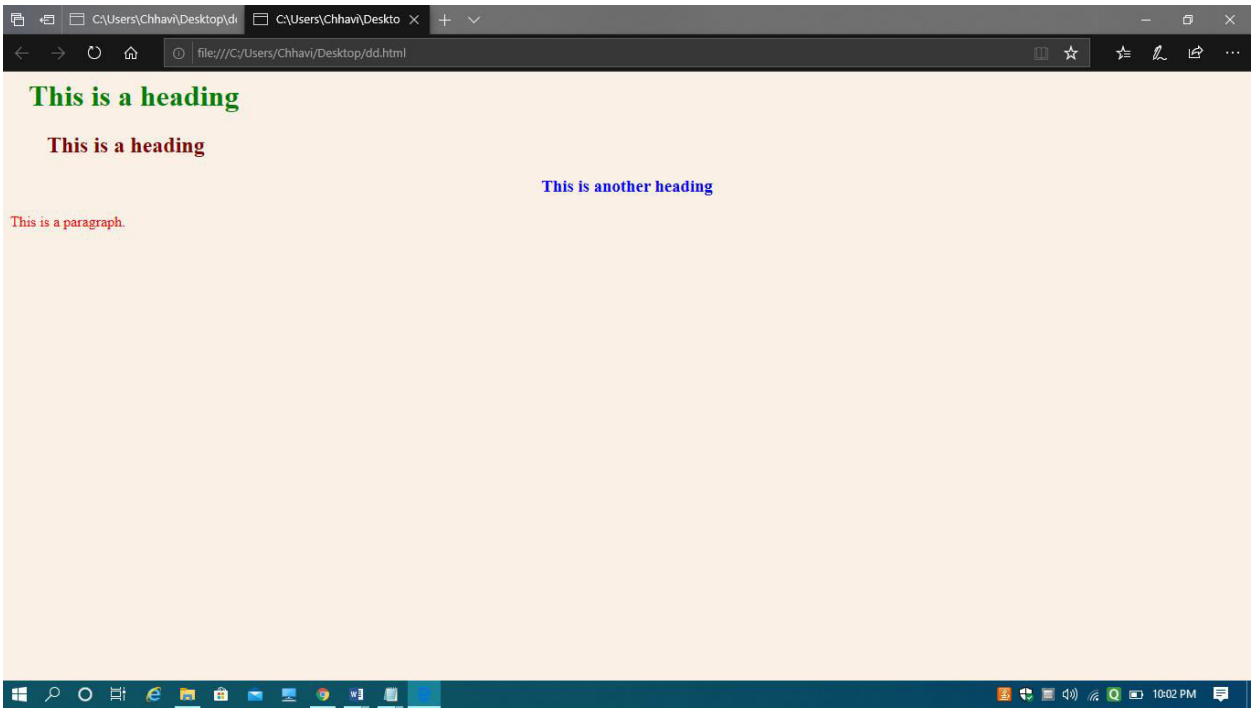
Aim: **Implement Internal , inline & external style CSS**

Code:

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="snehi.css">

<style>
Body
 {
  background-color: linen;
}

h2 {
  color: maroon;
  margin-left: 40px;
}

</style>
</head>
<body>

<h1>This is a heading</h1>

<h2>This is a heading</h2>

<h3 style="color:blue;text-align:center;">This is another heading</h3>
```

```
<p style="color:red;">This is a paragraph.</p>


</body>


</html>
```

OUTPUT:



EXERCISE- 2

JAVA SCRIPT PROGRAMS

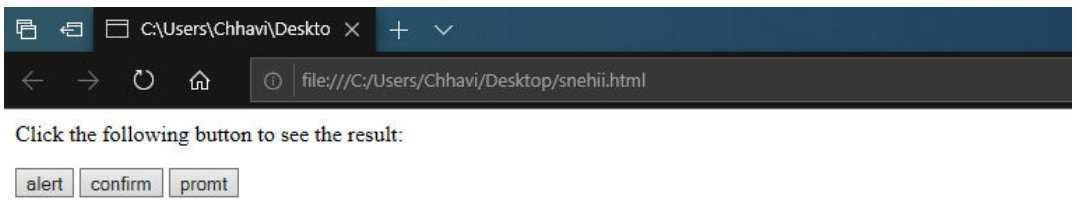
Aim: Implement dialogue boxes in Java Script (confirm, alert & prompt)

Code:

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

        function Warn() {
          alert ("This is a warning message!");
          document.write ("This is a warning message!");
        }

        function getConfirmation() {
          var a = confirm("Do you want to continue ?");
          if( a == true )
          {
            document.write ("User wants to continue!");
            return true;
          }
          else {
            document.write ("User does not want to continue!");
            return false;
          }
        }
```

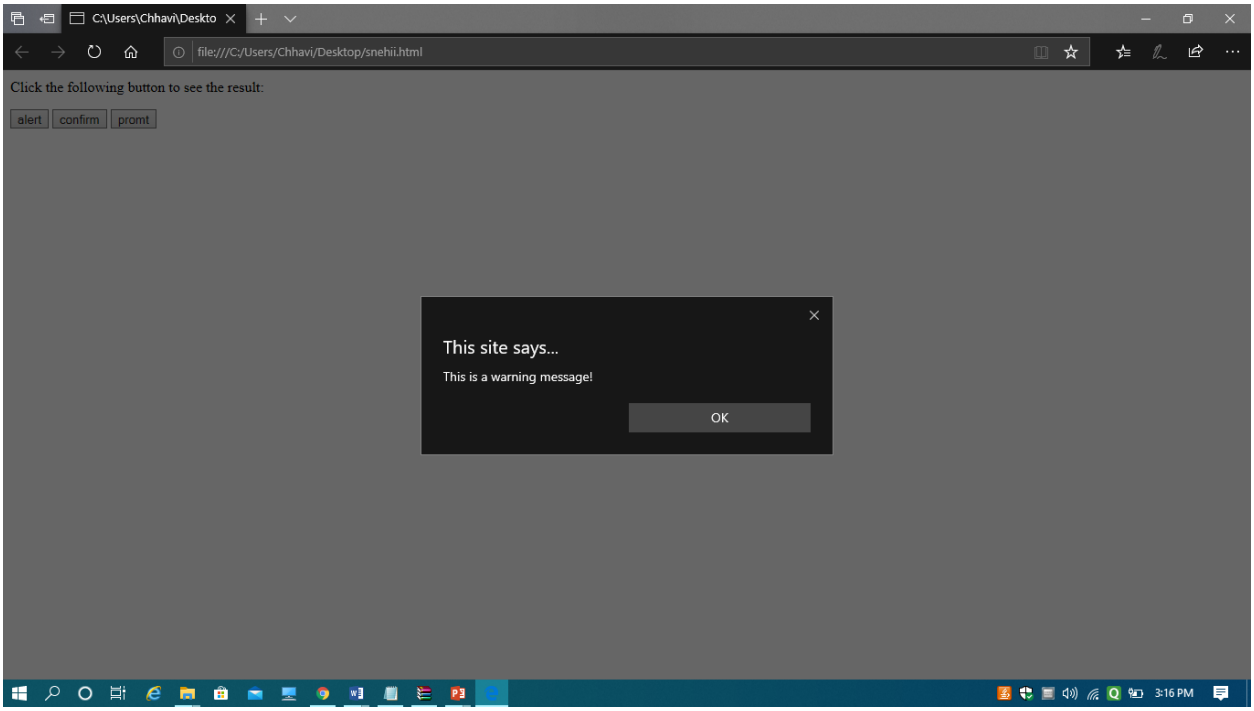
```
        function getValue() {
            var b = prompt("Enter your name : ", "your name here");
            document.write("You have entered : " + b);
          }
    </script>
  </head>

  <body>
    <p>Click the following button to see the result: </p>
    <form>
      <input type = "button" value = "alert" onclick = "Warn();" />
      <input type = "button" value = "confirm" onclick = "getConfirmation();" />
      <input type = "button" value = "promt" onclick = "getValue();" />
    </form>
  </body>
</html>
```

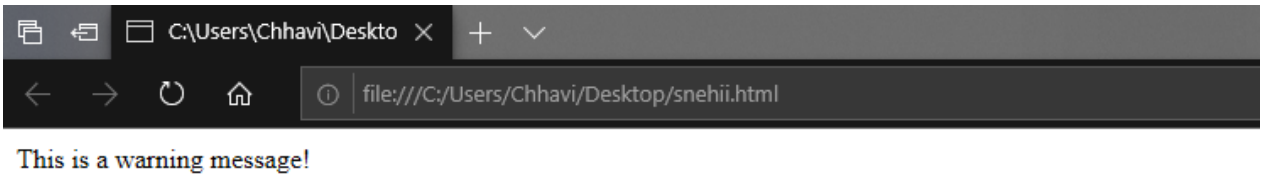
OUTPUT:



NAME: SNEHI KAUSHIK ROLL NO: 35614002018 BCA 2ND YEAR 1ST SHIFT

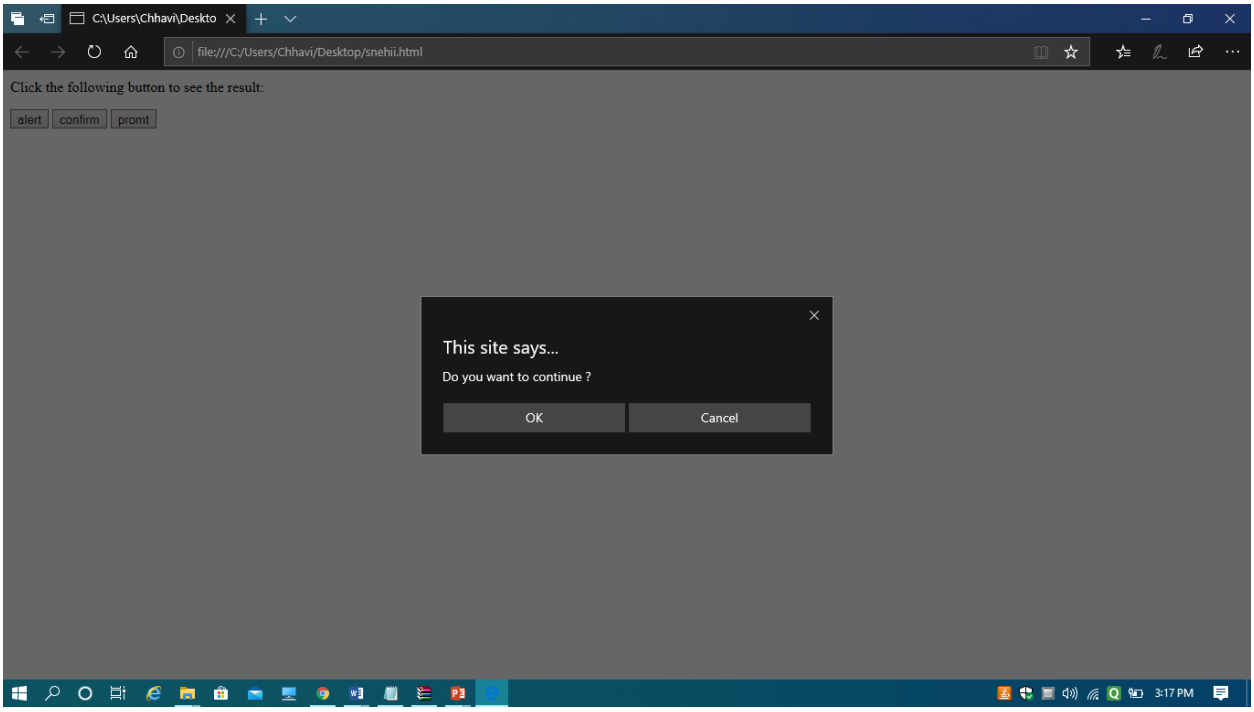
ON CLICKING ON ALERT:

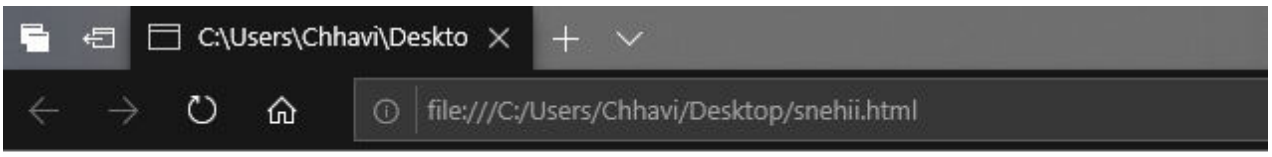




NAME: SNEHI KAUSHIK ROLL NO: 35614002018 BCA 2ND YEAR 1ST SHIFT

ON CLICKING ON CONFIRM:

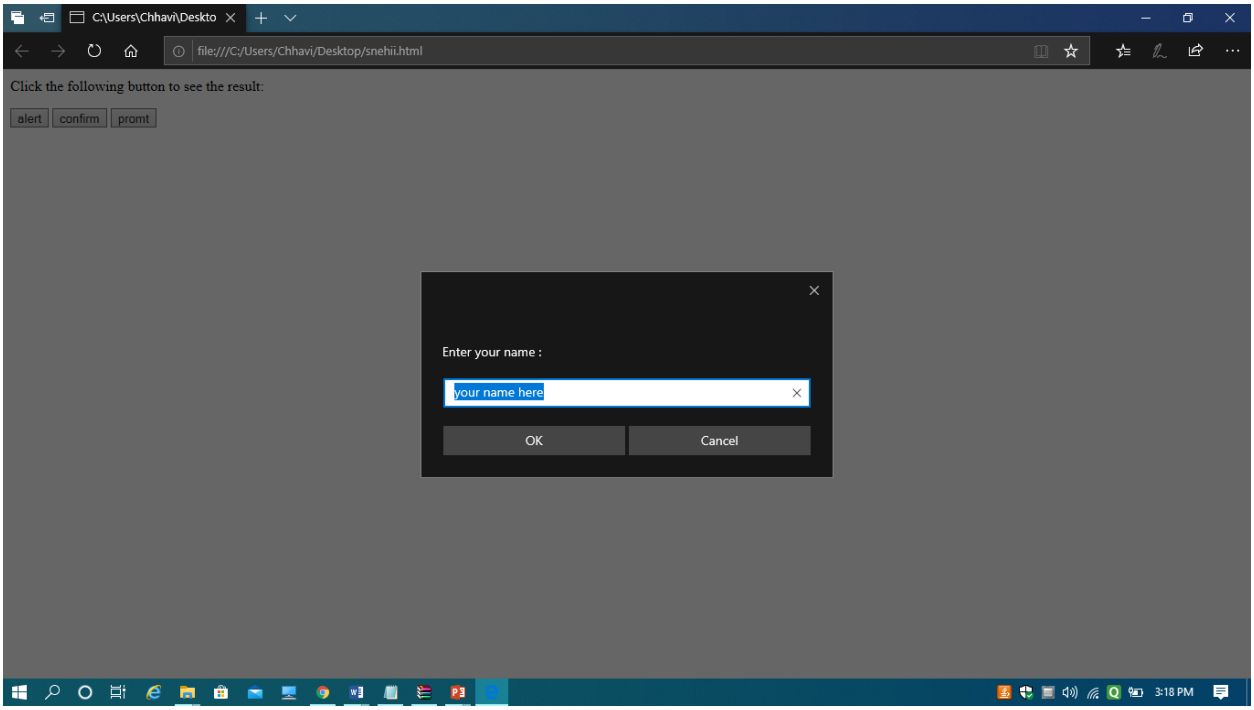


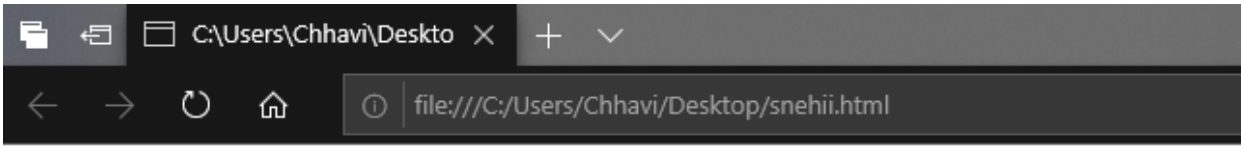


User wants to continue!

NAME: SNEHI KAUSHIK ROLL NO: 35614002018 BCA 2ND YEAR 1ST SHIFT

ON CLICKING ON PROMPT:





You have entered : SNEHI

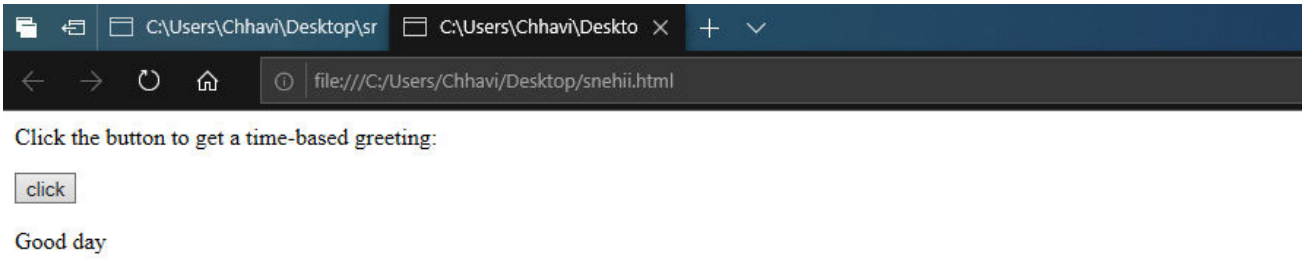
Aim: Display the use of conditional control statements in JSP

Code:

```
<html>
<body>

<p>Click the button to get a time-based greeting:</p>

<button onclick="xyz()">click</button>

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

<script>
function xyz() {
  var a;
  var b = new Date().getHours();
  if (b < 10) {
    a = "Good morning";
  } else if (b < 20) {
    a = "Good day";
  } else {
    a = "Good evening";
  }
  document.getElementById("demo").innerHTML = a ;
}
</script>
```

```
</body>

</html>
```

OUTPUT:



B.

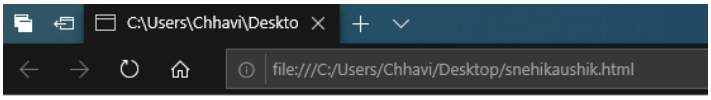
Aim: Display the use of iterative statements in JSP (for,while, do while)

Code:

```
<html>

<head>

<script type = "text/javascript">

var i;

document.write("using for loop"+"<br>");

for (i = 0; i < 10; i++)

{

   document.write(i+"<br>");

}

document.write("using while loop:"+"<br>");


var x = 1;
```

```
    while (x <= 10)
    {
        document.write("x:" + x + "<br />");
        x++;
    }
document.write("using do while loop:"+"<br>");
 var a = 1;

    do
    {
        document.write("a:" + a + "<br />");

        a++;
    } while (a < 10);

</script>
</head>
</html>
```

OUTPUT:



using for loop
0
1
2
3
4
5
6
7
8
9
using while loop:
x:1
x:2
x:3
x:4
x:5
x:6
x:7
x:8
x:9
x:10
using do while loop:
a:1
a:2
a:3
a:4
a:5
a:6
a:7
a:8
a:9

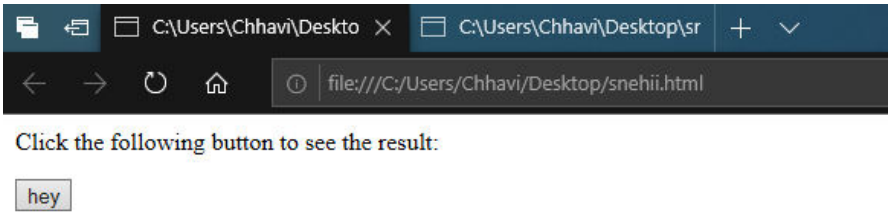
Aim: Implement use of functions in JSP

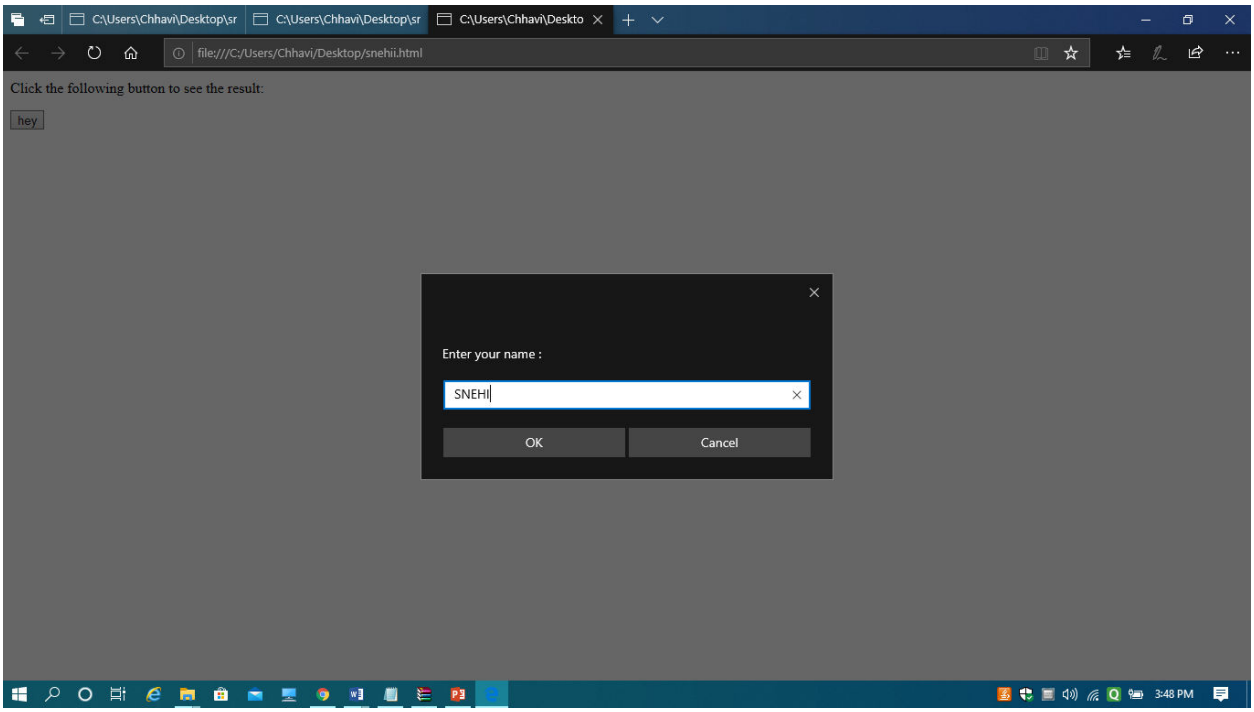
Code:

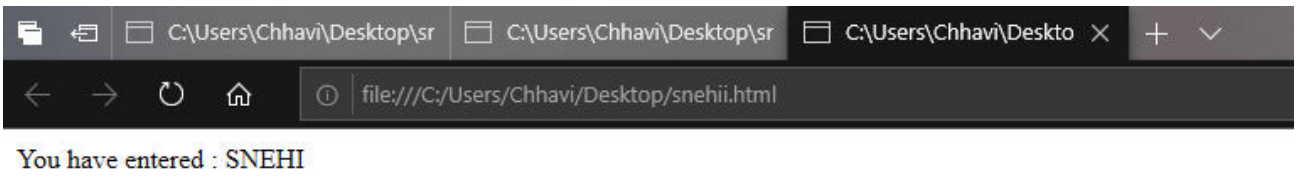
```
<html>
  <head>
    <script type = "text/javascript">

        function getValue()
       {
           var b = prompt("Enter your name : ", "your name here");
           document.write("You have entered : " + b);
         }
    </script>
  </head>

  <body>
    <p>Click the following button to see the result: </p>
    <form>
      <input type = "button" value = "hey" onclick = "getvalue();" />

    </form>
  </body>
</html>
```

NAME: SNEHI KAUSHIK ROLL NO: 35614002018 BCA 2ND YEAR 1ST SHIFT

OUTPUT:





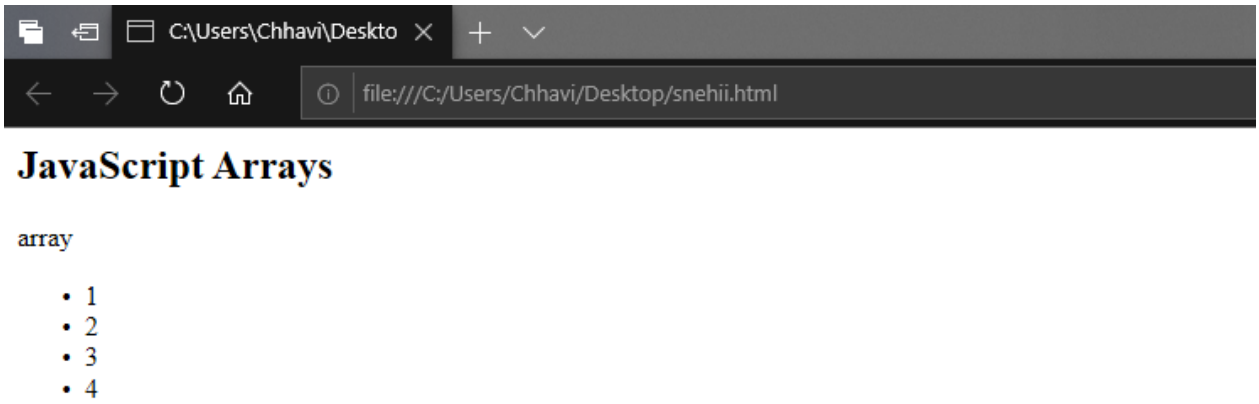


Aim: Implement use of Arrays in JSP (use for- in)

Code:

```
<html>
<body>

<h2>JavaScript Arrays</h2>

<p>array</p>

<script>
var numbers, a, b, i;
numbers = ["1", "2", "3", "4"];
b = numbers.length;

a = "<ul>";
for (i in numbers) {
  a += "<li>" + numbers[i] + "</li>";
}
a += "</ul>";
document.write(a);
</script>

</body>
</html>
```

OUTPUT:


C:\Users\Chhavi\Deskto
file:///C:/Users/Chhavi/Desktop/snehii.html
JavaScript Arrays
array
1
2
3
4

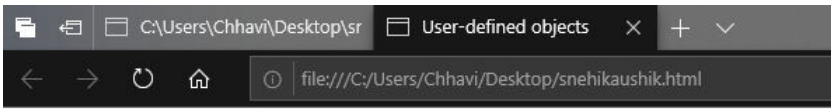
Aim: Implement concept of objects with their methods in JSP

a) User defined object

Code:

```
<html>
  <head>
    <title>User-defined objects</title>
    <script type = "text/javascript">
      var book = new Object();   // Create the object
      book.subject = "Perl";     // Assign properties to the object
      book.author  = "Mohtashim";
    </script>
  </head>

  <body>
    <script type = "text/javascript">
      document.write("Book name is : " + book.subject + "<br>");
      document.write("Book author is : " + book.author + "<br>");
    </script>
  </body>
</html>
```

OUTPUT:



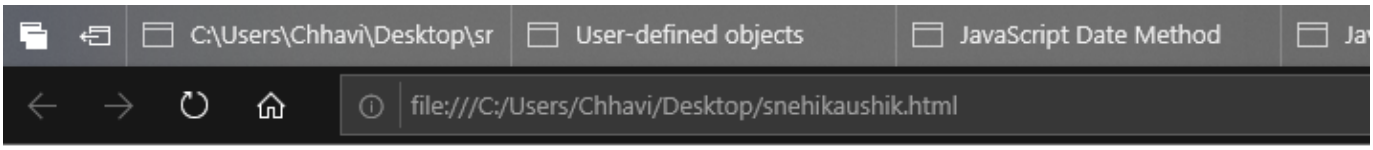
Aim: B) unbuilt objects(math,string,date).

Code:

```
<html>
  <head>
    <title>JavaScript Date Method</title>
  </head>

  <body>
    <script type = "text/javascript">
     document.write("date:"+"<br>");
      var dt = Date();
      document.write("Date and Time : " + dt +"<br>");

      document.write("math: "+"<br>");
       var value = Math.pow(7, 2);
      document.write("Value of 7 to the power 2 : " + value +"<br>" );

      document.write("string: "+"<br>");
      var str = new String( "This is string" );
      document.writeln("str.charAt(0) is:" + str.charAt(0));
      document.writeln("<br />str.charAt(1) is:" + str.charAt(1));
      document.writeln("<br />str.charAt(2) is:" + str.charAt(2));
      document.writeln("<br />str.charAt(3) is:" + str.charAt(3));
      document.writeln("<br />str.charAt(4) is:" + str.charAt(4));
      document.writeln("<br />str.charAt(5) is:" + str.charAt(5));
```

```
</script>


</body>
</html>
```

OUTPUT:



date:
Date and Time : Sat Apr 18 2020 14:04:21 GMT+0530 (India Standard Time)
math:
Value of 7 to the power 2 : 49
string:
str.charAt(0) is:T
str.charAt(1) is:h
str.charAt(2) is:i
str.charAt(3) is:s
str.charAt(4) is:
str.charAt(5) is:i

EXERCISE- 3

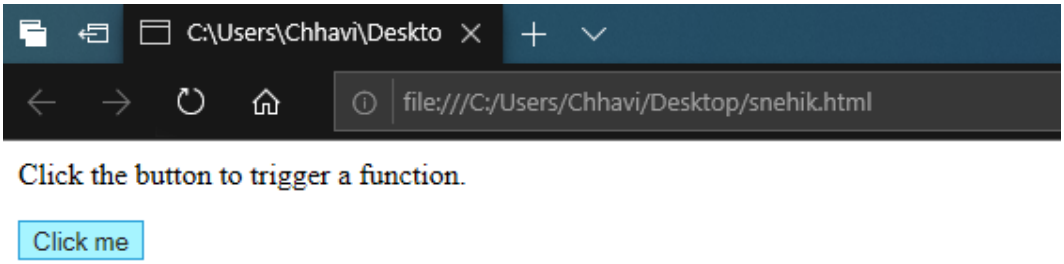
DHTML Programs

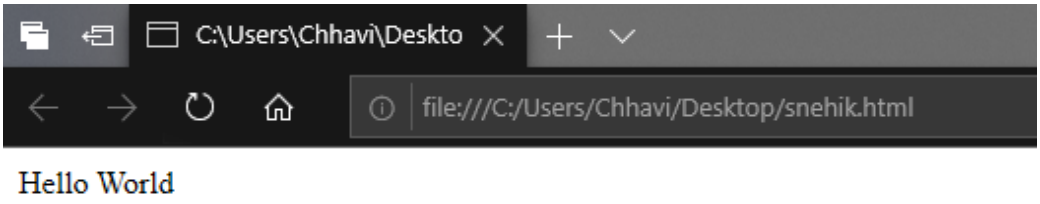
Aim: Implement "On click" mouse event in DHTML.

Code:

```
<html>
<head>
<script>
function myFunction() {
  document.write("Hello World");
}
</script>
</head>
<body>

<p>Click the button to trigger a function.</p>

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

OUTPUT:


C:\Users\Chhavi\Deskto
file:///C:/Users/Chhavi/Desktop/snehik.html
Click the button to trigger a function.
Click me


C:\Users\Chhavi\Deskto
file:///C:/Users/Chhavi/Desktop/snehik.html
Hello World

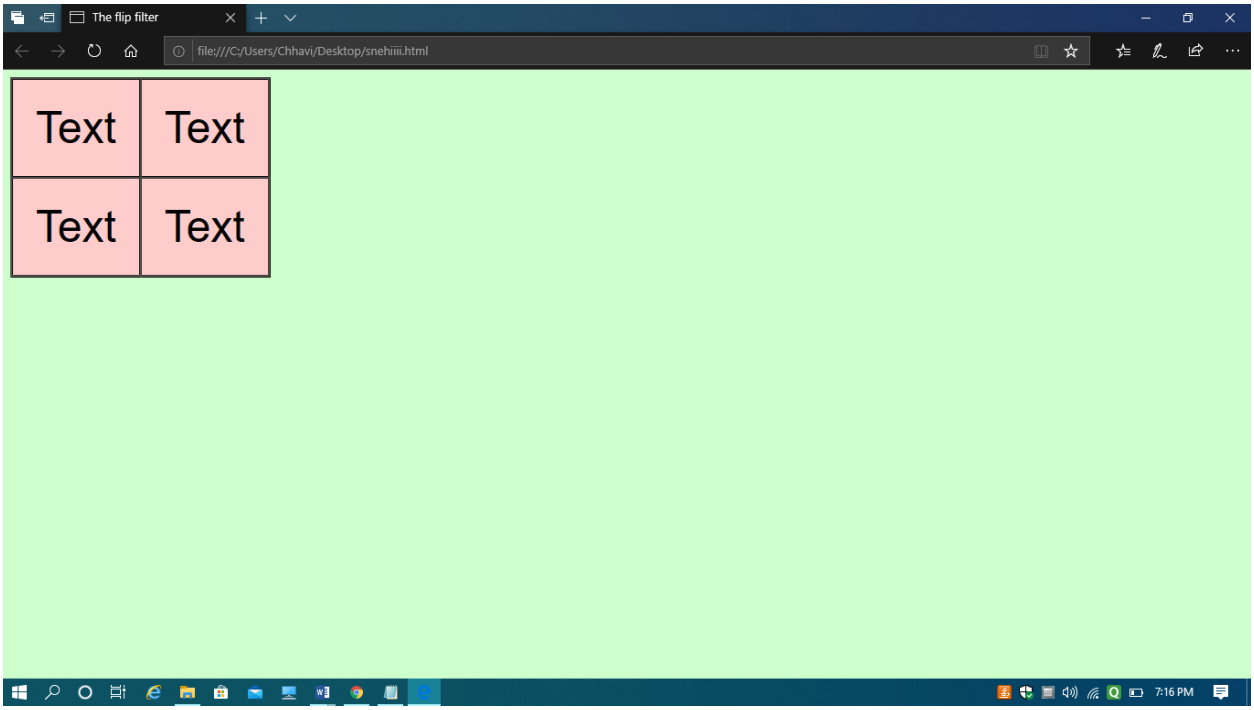
Aim: Implement "On Focus" form event in DHTML

Code:

```
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<title>The flip filter</title>
 <style type = "text/css">
 body { background-color: #CCFFCC }
 table { font-size: 3em;
 font-family: Arial, sans-serif;
 background-color: #FFCCCC;
 border-style: ridge ;
 border-collapse: collapse

 }

td
{
 border-style: groove;
 padding: 1ex
 }
 </style>

</head>

<body>

 <table>
<tr>
 <!-- Filters are applied in style declarations -->
<td style = "filter: fliph">Text</td>
 <td>Text</td>
</tr>
 <tr>
 <!-- More than one filter can be applied at once -->
 <td style = "filter: flipv fliph">Text</td>
<td style = "filter: flipv">Text</td>
</tr>
</table>
 </body>
</html>
```

NAME: SNEHI KAUSHIK ROLL NO: 35614002018 BCA 2ND YEAR 1ST SHIFT

OUTPUT:



EXERCISE- 4

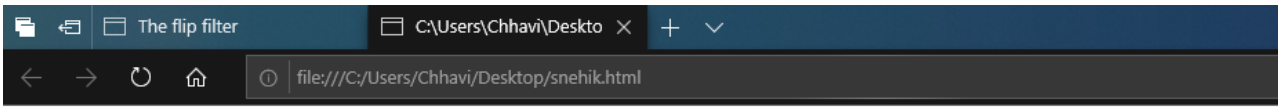
DHTML Filters & Transitions Program

Aim: Implement the concept of Flip(flipv & fliph) filters in DHTML

Code:

```
<root>
xmlns:h="http://www.w3.org/TR/html4/"
xmlns:f="http://www.w3schools.com/furniture">

<h:table>
  <h:tr>
    <h:td>Apples</h:td>
    <h:td>Bananas</h:td>
  </h:tr>
</h:table>

<f:table>
  <f:name>African Coffee Table</f:name>
  <f:width>80</f:width>
  <f:length>120</f:length>
</f:table>

</root>
```

OUTPUT:



xmlns:h="http://www.w3.org/TR/html4/" xmlns:f="http://www.w3schools.com/furniture"> Apples Bananas African Coffee Table 80 120

EXERCISE- 4

XML : Namespaces

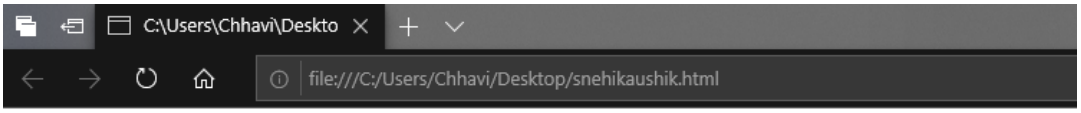
Aim: Write down the code for creating namespaces in XML

Code:

```
<h:html xmlns:xdc="http://www.xml.com/books"

      xmlns:h="http://www.w3.org/HTML/1998/html4">

 <h:head><h:title>Book Review</h:title></h:head>

 <h:body>

  <xdc:bookreview>

   <xdc:title>XML: A Primer</xdc:title>

   <h:table>

    <h:tr align="center">

     <h:td>Author</h:td><h:td>Price</h:td>

     <h:td>Pages</h:td><h:td>Date</h:td></h:tr>

    <h:tr align="left">
```

```
    <h:td><xdc:author>Simon St. Laurent</xdc:author></h:td>

    <h:td><xdc:price>31.98</xdc:price></h:td>

    <h:td><xdc:pages>352</xdc:pages></h:td>

    <h:td><xdc:date>1998/01</xdc:date></h:td>

   </h:tr>
  </h:table>
 </xdc:bookreview>
</h:body>
</h:html>
```

OUTPUT:



Book Review XML: A Primer AuthorPrice PagesDate Simon St. Laurent 31.98 352 1998/01