

1.Create a web page with HTML5 media elements.

```
<!DOCTYPE html>

<html>

<head>

<style>

body{

background-color:black;

color:white;

}

h1{

text-shadow:2px 2px 4px pink;

margin:10 px 500px;

border-style:double;

border-color:#fddfda;

text-align:center;

}

</style>

</head>

<body>

<h1>AUDIO SETUP</h1><br>

<div style="text align:center">
```

```
<audio controls>

<source src="C:\Users\Public\Music\Sample Music\Sleep Away.mp3"
type="audio/mpeg">

</audio>

</div>

<br>

<h1>VIDEO SETUP</h1><br>

<div style="text align:center">

<video id="vd" width="400" height="300" controls>

<source src="F:\english video sngs\Who Am I (Casting Crowns).mp4"
type="video/mp4">

</video>

<button onclick="playpause()">play/pause</button>

<button onclick="makezoomin()">zoomin</button>

<button onclick="makezoomout()">zoomout</button>

<br><br>

</div>

<br>

<h1>IMAGE SETUP</h1>



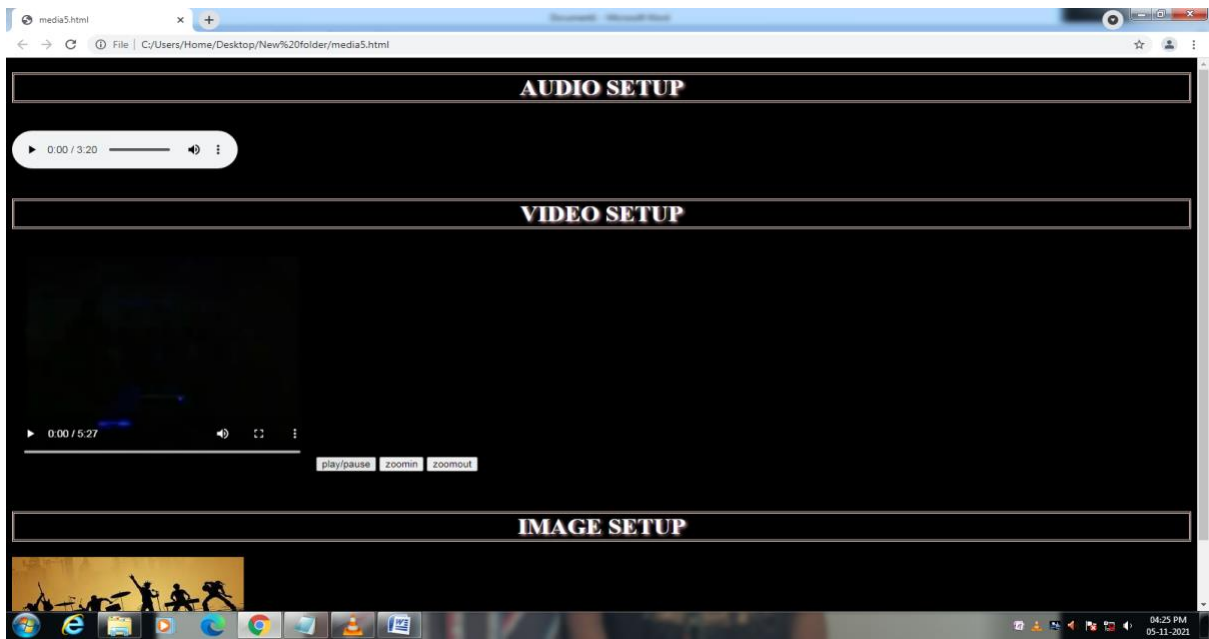
<script>

var video=document.getElementById("vd");

function playpause(){
```

```
if(video.paused)
video.play();
else
video.pause();
}
function makezoomin(){
video.width=660;
}
function makezoomout(){
video.width=420;
}
</script>
</body>
</html>
```

OUTPUT:



2. Use CSS script to display different background-colour for different tags including header, footer, nav etc. in a form. Use HTML5 data validation.

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>simple web design</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" type="text/css" href="fl.css">
</head>
<body>
<!--navbar-->
<nav class="navbar">
<a class="navbar-brand" href="#"></a>

<ul>
<li>
<a href="#home">Home</a>
</li>
<li>
<a href="#about">About</a>
</li>
<li>
```

```
<a href="#features">features</a>
</li>
<li>
<a href="#contact">Contact</a>
</li>
<li><form class="ash">
<input type="text" placeholder="Search.." name="search2">
<button type="submit">search</button>
</form>
</li>
</ul>
</nav>
<!-- Slide Show -->
<section>

<div class="centered">Hola! We're so excited you are a part of roseworld. We
love all our customers, and that includes you too!</div>


</section>
<script>
var myIndex = 0;
carousel();
```

```
function carousel() {  
    var i;  
    var x = document.getElementsByClassName("mySlides");  
    for (i = 0; i < x.length; i++) {  
        x[i].style.display = "none";  
    }  
    myIndex++;  
    if (myIndex > x.length) {myIndex = 1}  
    x[myIndex-1].style.display = "block";  
    setTimeout(carousel, 3000);  
}  
</script>  
<div class="row">  
    <div class="side">  
        <h2>About Me</h2>  
        <h5>Photo of me:</h5>  
        <div></div>  
        <p>I'm aashika designed this web page.</p>  
        <h3>Info</h3>  
        <p>2nd year BSC computer science.</p>  
        <p>Sri Paramakalyani College.</p>  
        <div></div><br>
```

```
<div></div><br>
```

```
<div></div>
```

```
</div>
```

```
<div class="main">
```

```
<h2>The First Known Computer Programmer was a Woman</h2>
```

```
<h5>Description, Aug 19, 2021</h5>
```

```
<div></div>
```

```
<p>about</p>
```

```
<p>Her name was Ada Lovelace, and she lived in England, where she worked as a mathematician and writer. She is famous for working on the "Analytical Engine".<br>
```

```
<h2>The First Computer Mouse was Made of Wood</h2>
```

```
<h5>Description, Aug 19, 2021</h5>
```

```
<div></div>
```

```
<p>About</p>
```

```
<p>Development of the mouse began in the early 1960s by SRI's Douglas Engelbart, while he was exploring the interactions between humans and computers. Bill English, then the chief engineer at SRI, built the first computer mouse prototype in 1964.</p>
```

```
<h2>The First 1GB Hard Disk</h2>
```

```
<h5>Description, Aug 19, 2021</h5>
```

```
<div></div>
```

```
<p>About</p>
```


<p>The first 1GB hard disk drive was announced in 1980 which weighed about 550 pounds, and had a price tag of \$40,000.</p>

</div>

</div>

<div class="footer" style="display: flex; height: 300px;">

<div style="width: 50%;">

<h2>RAFEL TOMEL</h2>

<p>@copyright 2011-2021.</p>

<p>All rights reserved. Powered by aashika.</P>

</div>

<form name = "myForm" onsubmit = "return(validate());" >

<div style="flex-grow: 1;">

<div class="row">

<div class="col-25">

<label for="Name">Name:</label>

</div>

<div class="col-75">

<input type = "text" name = "Name" />

</div>

</div>

<div class="row">

<div class="col-25">

<label for="email">Mail Id:</label>

</div>

```
<div class="col-75">
<input type = "text" name = "Email" onchange = "validateEmail();" />
</div>
</div>
<br>
<div class="row">
<div class="col-25">
<label for="feed_back">Feed Back:</label>
</div>
<div class="col-75">
<textarea id="subject" name="Zip" placeholder="Write something.."
style="height:100px"></textarea>
</div>
</div>
<br>
<div class="row">
<input type="submit" value="Submit">
</div>
</div>
</form>
</div>
<script type = "text/javascript">
function validate()
{
if(document.myForm.Name.value == "")
```

```
{
alert("Please Provide Your Name");
document.myForm.Name.focus();
return false;
}
if(document.myForm.Email.value == "")
{
alert("Please Provide Your Email ID");
document.myForm.Email.focus();
return false;
}
if ((document.myForm.Zip.value ==
"") || (document.myForm.Zip.value.length !=15))
{
alert("alert!the feedback must contain more than 15 characters");
document.myForm.Zip.focus();
return false;
}
return true;
}
function validateEmail()
{
var emailID = document.myForm.Email.value;
atpos = emailID.indexOf("@");
dotpos = emailID.lastIndexOf(".");
```

```
if(atpos < 1 || (dotpos - atpos < 2))
{
alert("Please Enter Correct Email ID");
document.myForm.Email.focus();
return false;
}
return true;
}
</script>
</body>
</html>
```

//css external tag

```
.navbar
{
position: sticky;
top: 0;
display: flex;
align-items: center;
padding: 20px;
background: #167064;
}
nav *{
```

```
flex-grow: 1;
}
ul{
margin: 0;
padding: 0;
list-style-type: none;

}
ul li{
margin-right: 70px;
float: left;

}
ul li button{
font-size: 20px;
color: white;
text-shadow: 3px -3px 20px #ffffff;
outline: none;
border: none;
background: transparent;
cursor: pointer;
font-family: sans-serif;
padding: 10px;
background: #2196F3;
```

```
}  
ul li button:hover  
{  
color: red;  
}  
ul li a:hover  
{  
color: rgb(255, 0, 0);  
background: #0b7dda;  
}  
ul{  
list-style-type: none;  
}  
a{  
text-decoration: none;  
color: #ffffff;  
font-size: 28px;  
text-shadow: 3px -3px 20px #000000;  
}  
form.ash input[type=text] {  
padding: 10px;  
font-size: 17px;  
border: 1px solid grey;  
float: left;
```

```
width: 60%;
```

```
background: #f1f1f1;
```

```
}
```

```
.centered {
```

```
position: absolute;
```

```
top: 50%;
```

```
font-size: 45px;
```

```
font-weight: 400;
```

```
left: 50%;
```

```
transform: translate(-50%, -50%);
```

```
}
```

```
.row {
```

```
display: flex;
```

```
}
```

```
.side {
```

```
-ms-flex: 30%; /* IE10 */
```

```
flex: 30%;
```

```
background-color: #f1f1f1;
```

```
padding: 20px;
```

```
}
```

```
.main {
```

```
-ms-flex: 70%; /* IE10 */
```

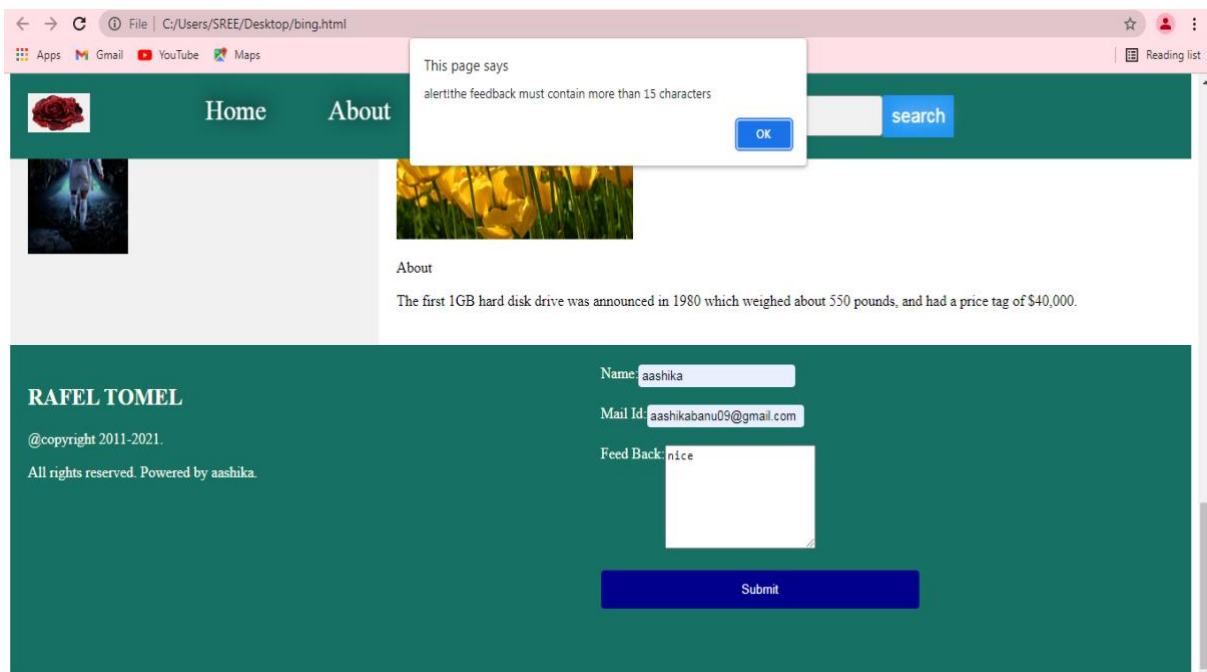
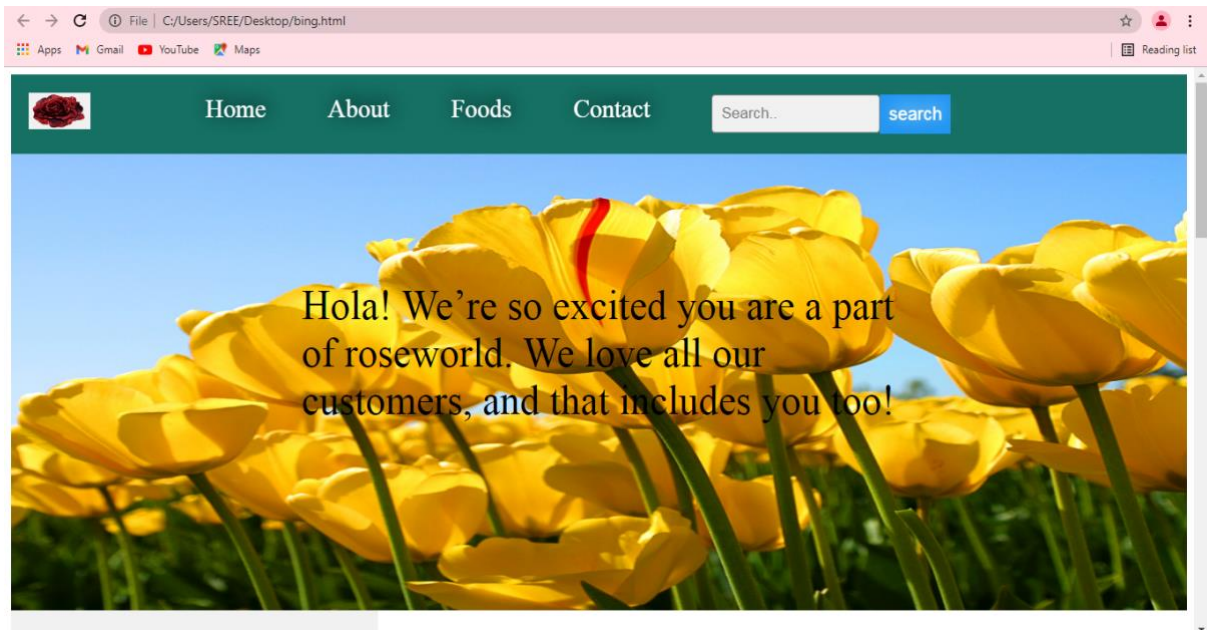
```
flex: 70%;  
background-color: white;  
padding: 20px;  
}  
.footer {  
padding: 20px;  
background:#167064;  
color: ivory;  
}  
table{  
border: 6px solid gray;  
padding: 50px;  
color: darkblue;  
background-color: white;  
}  
input{  
  
border-color: darkblue;  
}  
input[type=text]  
{  
border-style: hidden;  
color: blue;  
padding: 4px 4px;
```



```
box-sizing: border-box;
border-radius: 4px;
}
input[type=submit]
{
background-color: navy;
color:white;
padding: 12px 159px;
border: none;
border-radius: 4px;
cursor: pointer;

}
input[type=submit]:hover
{
background-color: darkblue;
border-radius: 4px;
}
```

Output:



3. Develop a HTML Form, which accepts any Mathematical expression. Write JavaScript code to Evaluates the expression and Displays the result.

```
<!DOCTYPE html>

<html>

<head>

<script type="text/javascript">

function math_exp()

{

var x=document.form1.exptext.value;

var result=eval(x);

document.form1.resulttext.value=result;

}

</script>

</head>

<body>

<form name="form1">

<table>

<tr>

<td>expression</td>

<td><input type="text" name="exptext"/></td>

</tr>
```

```
<tr>
```

```
<td>result</td>
```

```
<td><input type="text" name="resulttext"/></td>
```

```
</tr>
```

```
<tr>
```

```
<td><input type="button" value="calculate" onclick="math_exp()"/></td>
```

```
</tr>
```

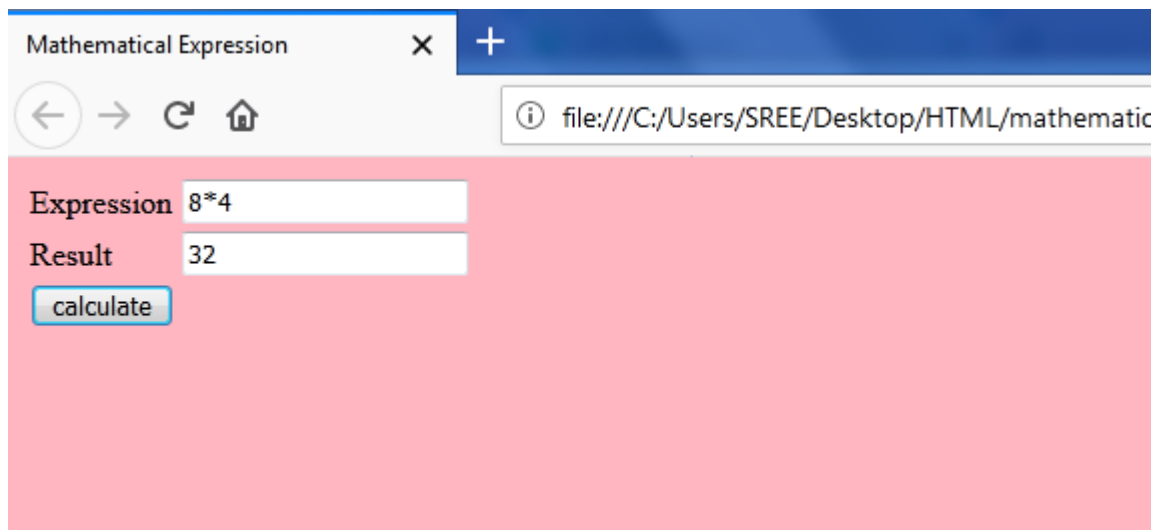
```
</table>
```

```
</form>
```

```
</body>
```

```
</html>
```

OUTPUT:



4. Write a JavaScript code to find the sum of N natural Numbers. (Use user-defined function)

```
<!DOCTYPE html>

<html>

<head>

<script type="text/javascript">

var num=window.prompt("enter the number:", "");

var n=parseInt(num);

result=sumnaturalno(n);

window.alert("the sum of"+n+"natural number is"+result);

function sumnaturalno(n)

{

var i;

var sum=0;

for(i=1;i<=n;i++)

{

sum=sum+i;

}return(sum);

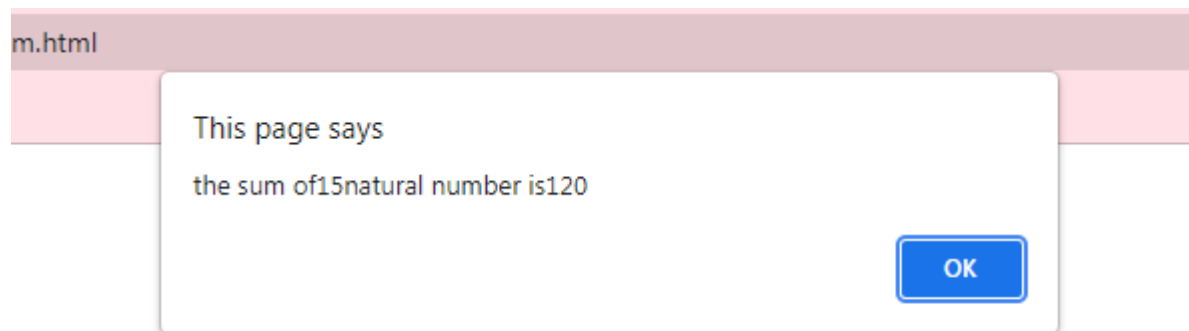
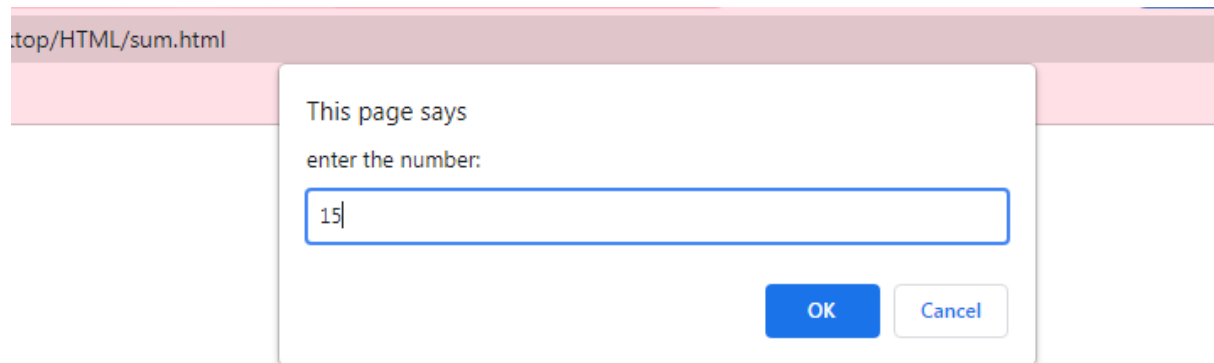
}

</script>

</head>

</html>
```

OUTPUT:



5. Create a web page using two image files, which switch between one another as the mouse pointer moves over the image. Use the on Mouse Over and on Mouse Out event handlers.

```
<html>

<head>

<script type="text/javascript">

function mouseover()

{

document.getElementById("img").src="C:/Users/Home/Desktop/download

(2).jpg";

}

function mouseout()

{

document.getElementById("img").src="C:/Users/Home/Desktop/download

(3).jpg";

}

</script>

</head>

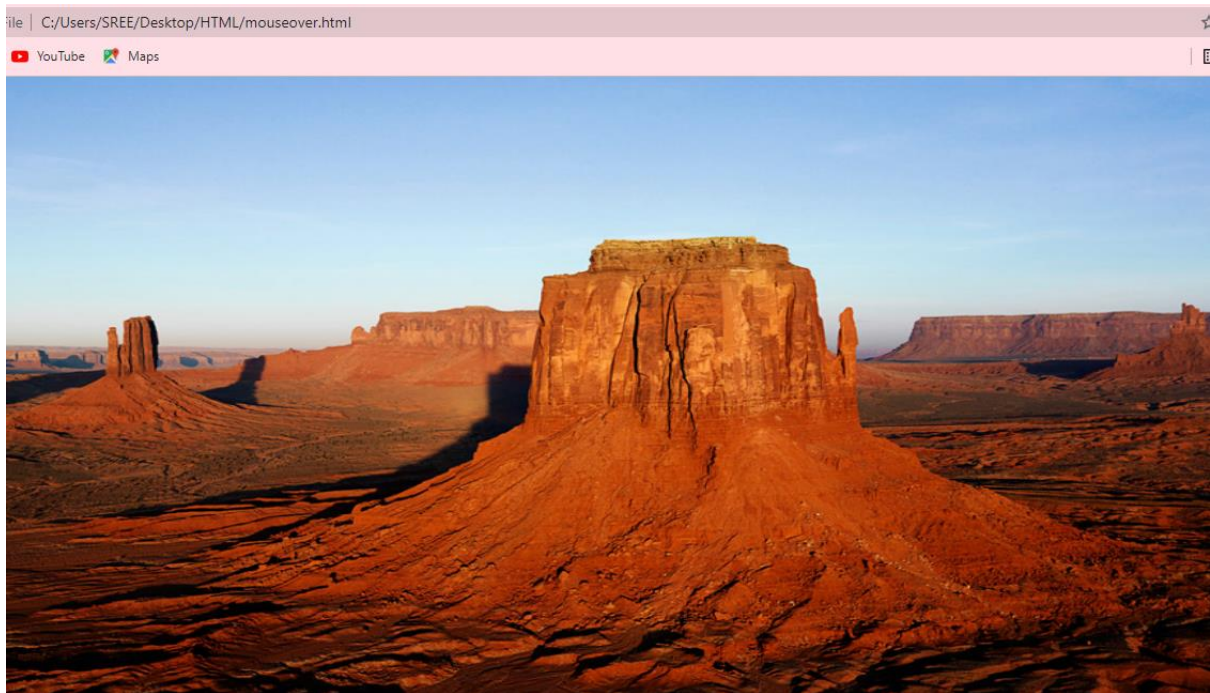
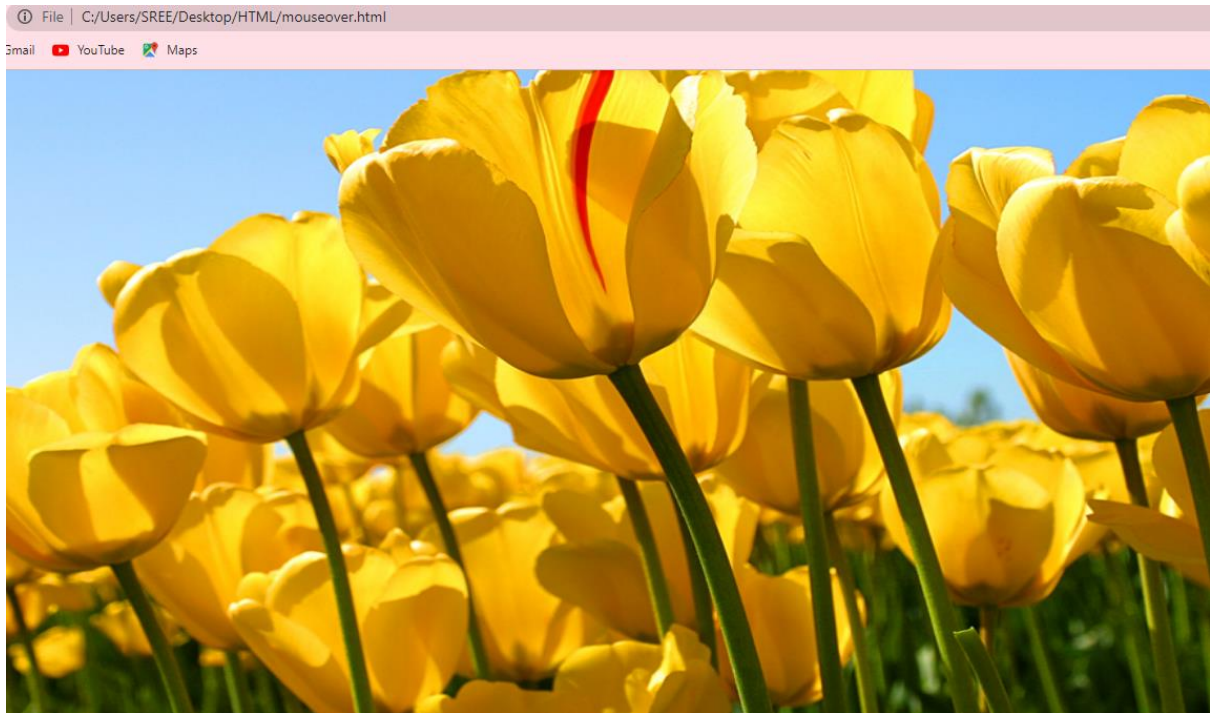
<body>



</body>

</html>
```


OUTPUT:



6. Create a form having number of elements (Textboxes, Radio buttons, Checkboxes, and so on). Write JavaScript code to count the number of elements in a form.

```
<!DOCTYPE html>

<html>

<head>

<title>REGISTRATION FORM</title>

<script type="text/javascript">

function display()

{

alert(document.getElementById("form1").length);

}

</script>

</head>

<body onload="display()">

<form id="form1">

<table border="1">

<tr>

<td>name</td>

<td><input type="text" value="firstname"/></td>

</tr>
```

```
<tr>
<td>choose your username</td>
<td><input type="text" value="username"/></td>
</tr>
<tr>
<td>create password</td>
<td><input type="password" value="password"/></td>
</tr>
<tr>
<td>confirm password</td>
<td><input type="password" value="confirmpass"/></td>
</tr>
<tr>
<td>birthday</td>
<td><select name="date"><option value="7">11</td>
<td><select name="month"><option
value="november">november</td>
<td><select name="year"><option value="2003">2003</td>
</tr>
<tr>
<td>gender</td>
<td><input type="radio" name="gender"/>female</td>
```

```
<td><input type="radio" name="gender"/>male</td>
```

```
</tr>
```

```
<tr>
```

```
<td>mobile</td>
```

```
<td><input type="text"></td>
```

```
</tr>
```

```
<tr>
```

```
<td>location</td>
```

```
<td><input type="text"></td>
```

```
</tr>
```

```
<tr>
```

```
<td><input type="checkbox"/>i agree the terms and condition</td>
```

```
</tr>
```

```
<tr>
```

```
<td><input type="button" value="create"/></td>
```

```
</tr>
```

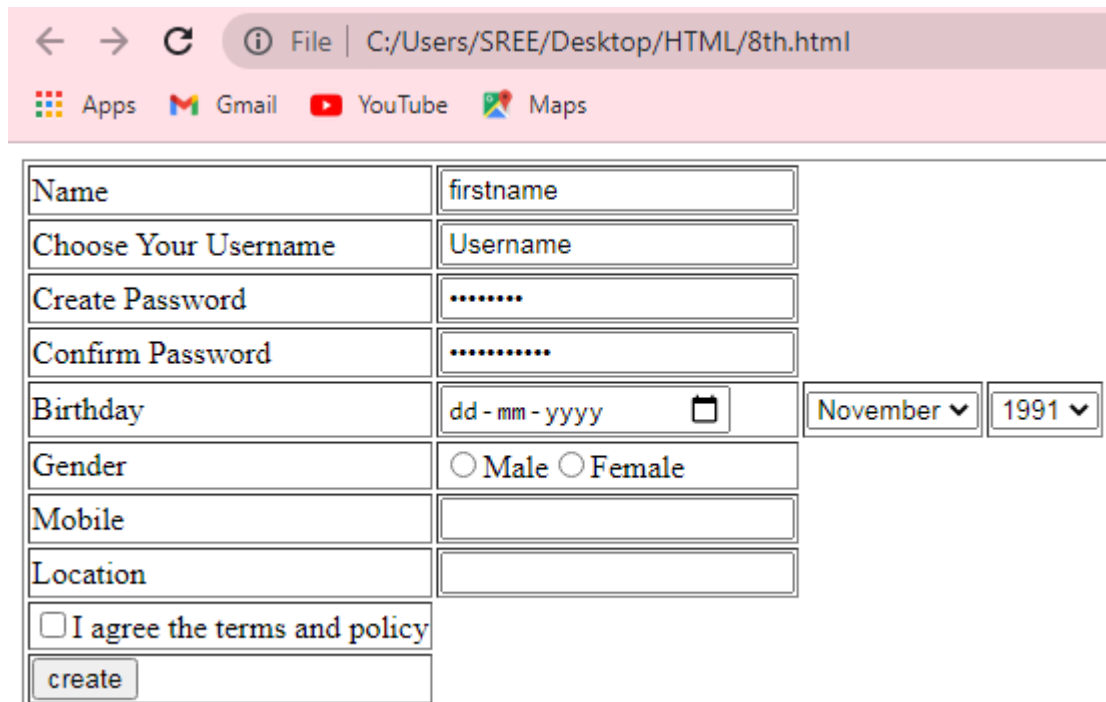
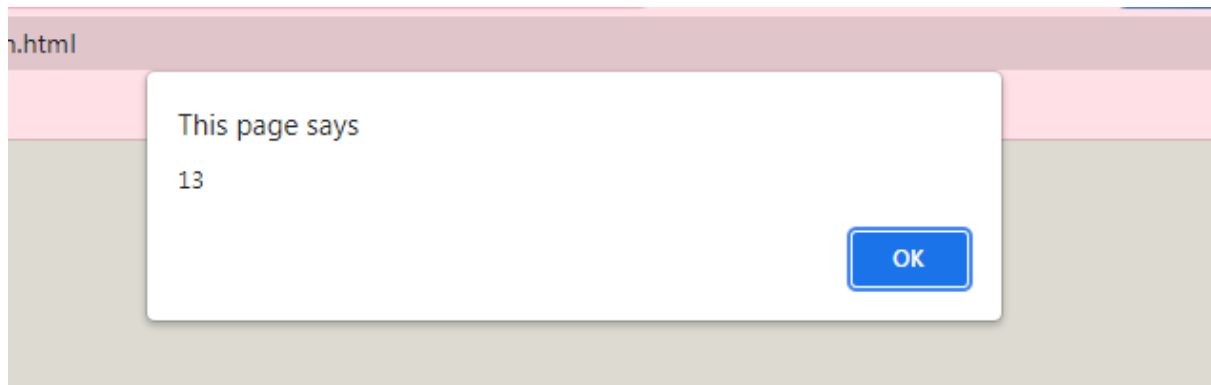
```
</table>
```

```
</form>
```

```
</body>
```

```
</html>
```

OUTPUT:



A screenshot of a web browser window showing a registration form. The browser's address bar displays "File | C:/Users/SREE/Desktop/HTML/8th.html". The form contains the following fields and controls:

Name	<input type="text" value="firstname"/>
Choose Your Username	<input type="text" value="Username"/>
Create Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>
Birthday	<input type="text" value="dd - mm - yyyy"/> <input type="calendar"/> <input type="text" value="November"/> <input type="text" value="1991"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Mobile	<input type="text"/>
Location	<input type="text"/>
<input type="checkbox"/> I agree the terms and policy	
<input type="button" value="create"/>	

7. Create a HTML form that has number of Textboxes. When the form runs in the Browser fill the textboxes with data. Write JavaScript code that verifies that all textboxes has been filled. If a textboxes has been left empty, popup an alert indicating which textbox has been left empty.

```
<html>

<head>

<title>registration form</title>

<script type="text/javascript">

function validate()

{

if(document.myform.Name.value=="")

{

alert("please provide your name");

document.myform.Name.focus();

return false;

}

if(document.myform.Email.value=="")

{

alert("please provide your Email id");

document.myform.Email.focus();

return false;

}

}
```

```
if((document.myform.Zip.value=="") || (document.myform.Zip.value.l
ength !=5))
{
alert("please provide a valid Zip value#####");
document.myform.Zip.focus();
return false;
}
if(document.myform.Country.value=="-1")
{
alert("please provide your country name");
return false;
}
return true;
}
function validateEmail()
{
var EmailId=document.myform.Email.value;
atpos=EmailId.indexOf("@");
dotpos=EmailId.lastIndexOf(".");
if(atpos < 1 || (dotpos-atpos < 2))
{
alert("please enter correct email id");
```

```
document.myform.Email.focus();

return false;

}

return true;

}

</script>

</head>

<body>

<form name="myform" onsubmit="return(validate());">

<table cellspacing="2" cellpadding="2" border="1">

<caption>REGISTRATION FORM</caption>

<tr>

<td>NAME</td>

<td><input type="text" name="Name"/></td>

</tr>

<tr>

<td>Email Id</td>

<td><input type="text" name="Email"

onchange="validateEmail();"/></td>

</tr>

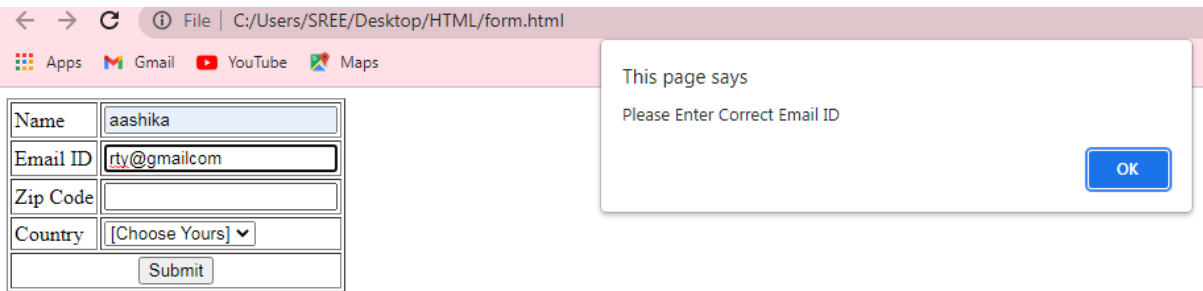
<tr>

<td>Zip code</td>
```



```
<td><input type="text" name="Zip"/></td>
</tr>
<tr>
<td>country</td>
<td><select name="Country">
<option value="-1" selected>[choose yor country]</option>
<option value="1">INDIA</option>
<option value="2">USA</option>
<option value="3">PAKISTAN</option>
</select>
</td>
</tr>
<tr>
<td colspan="2" align="center"><input type="submit"
value="submit"/></td>
</tr>
</table>
</form>
</body>
</html>
```

OUTPUT:



The screenshot shows a web browser window with the address bar displaying "File | C:/Users/SREE/Desktop/HTML/form.html". The browser's taskbar includes icons for "Apps", "Gmail", "YouTube", and "Maps".

The form contains the following fields:

Name	aashika
Email ID	rt@gmailcom
Zip Code	
Country	[Choose Yours] ▾
<input type="button" value="Submit"/>	

An error message dialog box is displayed over the form, containing the text:

This page says
Please Enter Correct Email ID

The dialog box has a blue "OK" button.

8. Create a form for Student information. Write JavaScript code to find Total, Average, Result and Grade.

```
<!DOCTYPE html>

<html>

<head>

<title>form</title>

<script type="text/javascript">

function calc()

{

var m1,m2,m3,avg=0,total=0,result="",grade="";

m1=parseInt(document.form1.wp.value);

m2=parseInt(document.form1.sp.value);

m3=parseInt(document.form1.cg.value);

total=m1+m2+m3;

avg=total/3;

if( m1 < 35 || m2 < 35 || m3 <35)

{

result="fail";

grade="D";

}

else if(avg >= 75)
```

```
{  
result="distinction";  
grade="A+";  
}  
else if(avg >= 60&&avg < 75)  
{  
result="first class";  
grade="A";  
}  
else if(avg >= 50&&avg < 60)  
{  
result="second class";  
grade="B";  
}  
else if(avg >= 35&&avg < 50)  
{  
result="pass class";  
grade="C";  
}  
else if(avg < 35)  
{
```

```
result="fail";
grade="D";
}
document.form1.result.value=result;
document.form1.grade.value=grade;
document.form1.total.value=total;
document.form1.average.value=avg;
}
</script>
</head>
<body>
<form name="form1">
<table border="1">
<caption style="color:orange">STUDENT INFORMATION</caption>
<tr>
<td>student name</td>
<td><input type="text"/></td>
</tr>
<tr>
<td colspan="2" align="center">subject marks</td>
</tr>
```

```
<tr>
<td>web programming</td>
<td><input type="text" name="wp"/></td>
</tr>
<tr>
<td>computer graphics</td>
<td><input type="text" name="cg"/></td>
</tr>
<tr>
<td>system programming </td>
<td><input type="text" name="sp"/></td>
</tr>
<tr>
<td colspan="2" align="center"><input type="button"
onclick="calc()" value="calculate"/></td>
</tr>
<tr>
<td>total</td>
<td><input type="text" name="total"/></td>
</tr>
<tr>
<td>average</td>
```

```
<td><input type="text" name="average"/></td>
```

```
</tr>
```

```
<tr>
```

```
<td>result</td>
```

```
<td><input type="text" name="result"/></td>
```

```
</tr>
```

```
<tr>
```

```
<td>grade</td>
```

```
<td><input type="text" name="grade"/></td>
```

```
</tr>
```

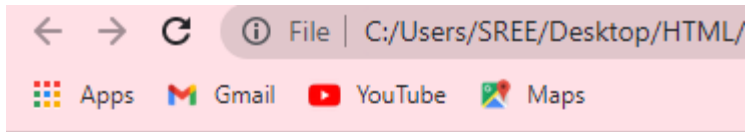
```
</table>
```

```
</form>
```

```
</body>
```

```
</html>
```

OUTPUT:



Student Name	aashika
Subject Marks	
Web Programming	100
Computer Graphics	100
System Programming	50
calculate	
Total	250
Average	83.33333333333333
Result	Distinction
Grade	A+