**LABCYCLE 2**

SUBMITTED BY,

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ROLL NO:113

**COURSE OUTCOME 2**

**QUESTION:2**

**AIM:** Generate the calendar using JavaScript code by getting the year from the user.

**PROGRAM CODE:**

<html>

<head>

<center>

<h1><b>Full Calender of Given year</b></h1>

</center>

<body bgcolor="lightblue">

<script language="javascript">

function day\_title(day\_name)

{

document.write("<td align=center width=35 bgcolor=grey><b>"+day\_name+"</b></td>");

}

function fill\_table(month,month\_len)

{

day=1;

document.write("<table border=1 cellspacing=5 cellpadding=10%>");

document.write("<td colspan=7 align=center bgcolor=pink><b>"+month+" "+year+"</b><tr>");

day\_title("Sun");

day\_title("Mon");

day\_title("Tue");

day\_title("Wed");

day\_title("Thu");

day\_title("Fri");

day\_title("Sat");

document.write("</tr><tr>");

for(var i=1; i<start\_day;i++)

{

document.write("<td>");

}

for(var i=start\_day; i<8;i++)

{

document.write("<td align=center bgcolor=white>"+day+"</td>");

day++;

}

document.write("<tr>");

while(day<=month\_len)

{

for(var i=1; i<=7 && day<=month\_len;i++)

{

document.write("<td align=center bgcolor=white>"+day+"</td>");

day++;

}

document.write("<tr>");

start\_day=i;

}

document.write("</tr></table><br>");

}

year=prompt("enter 4 digit year ",2016);

today=new Date("January 1, "+year);

start\_day=today.getDay()+1;

fill\_table("January", 31);

if (year%4==0)

fill\_table("February", 29);

else

fill\_table("February", 28);

fill\_table("March", 31);

fill\_table("April", 30);

fill\_table("May", 31);

fill\_table("June", 30);

fill\_table("July", 31);

fill\_table("August", 31);

fill\_table("September", 30);

fill\_table("October", 31);

fill\_table("November", 30);

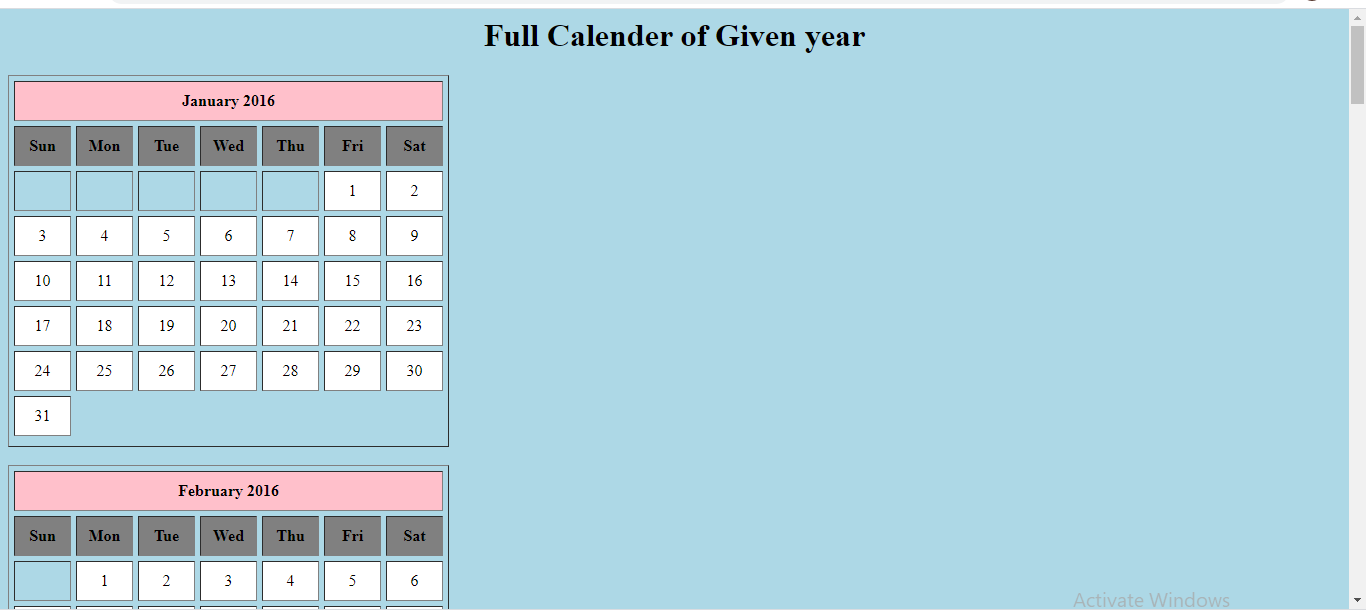
fill\_table("December", 31);

</script>

</head>

</html>

**RESULT:**



**QUESTION-3**

**AIM:** Create a HTML registration form and to validate the form using JavaScript code.

**PROGRAM CODE:**

**CO2-Q3.html:**

<html>

<title>Registration Form</title>

<head>

<style>

body {

font-family: Arial, Helvetica, sans-serif,;

background-image:url("new1.jpg");

background-position:100px;

}

</style>

</head>

<body>

<script>

function validateform(){

var name=document.myform.name.value;

var password=document.myform.password.value;

var secondpassword=document.myform.password2.value;

if (name==null || name==""){

alert("Name can't be blank");

return false;

}else if(password.length<6){

alert("Password must be at least 6 characters long.");

return false;

}

if(password==secondpassword){

return true;

}

else{

alert("password must be same!");

return false;

}

}

</script>

<body>

<form name="myform" method="post" action="valid.html" onsubmit="return validateform()" >

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

Password: <input type="password" name="password"><br/>

Re-enter Password:<input type="password" name="password2"/><br/>

<input type="submit" value="Register">

</form>

</body>

</html>

**valid.html:**

<html>

<title>Valid User</title>

<body>

<H1><b>YOU ARE A VALID USER</B></H1>

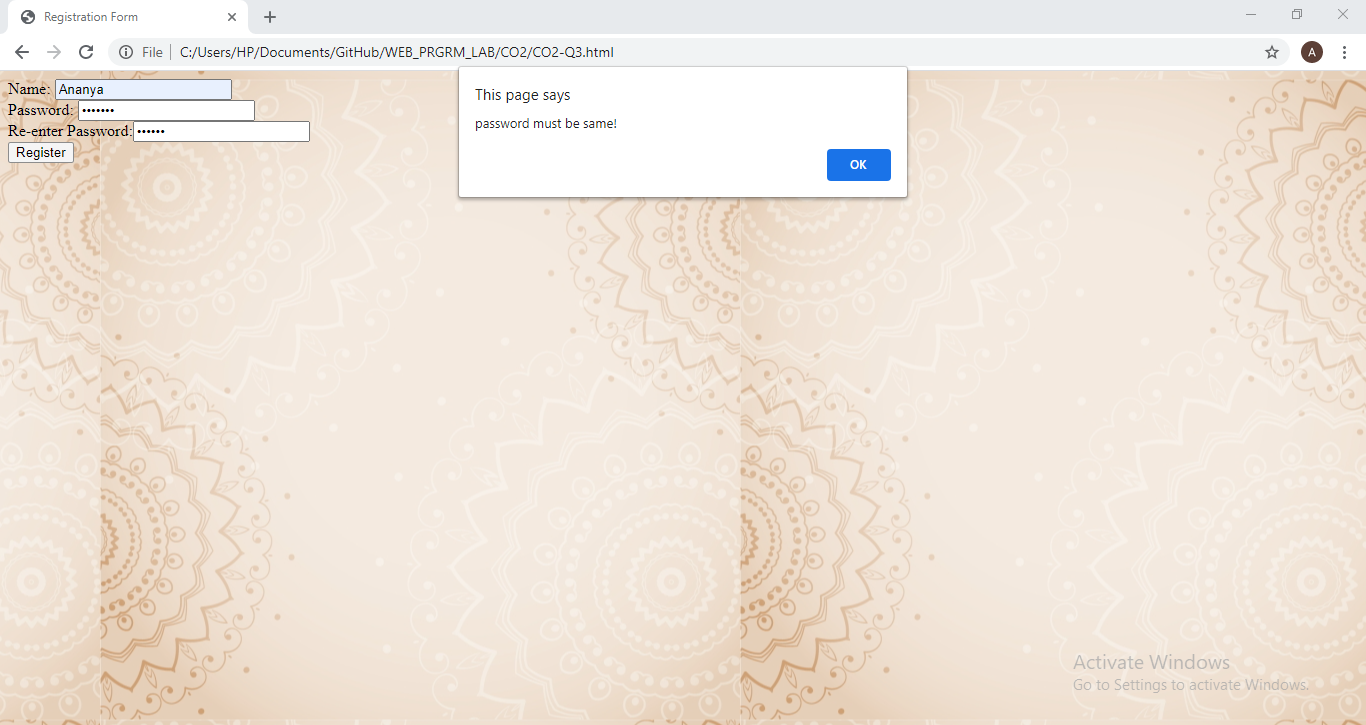
<BR>

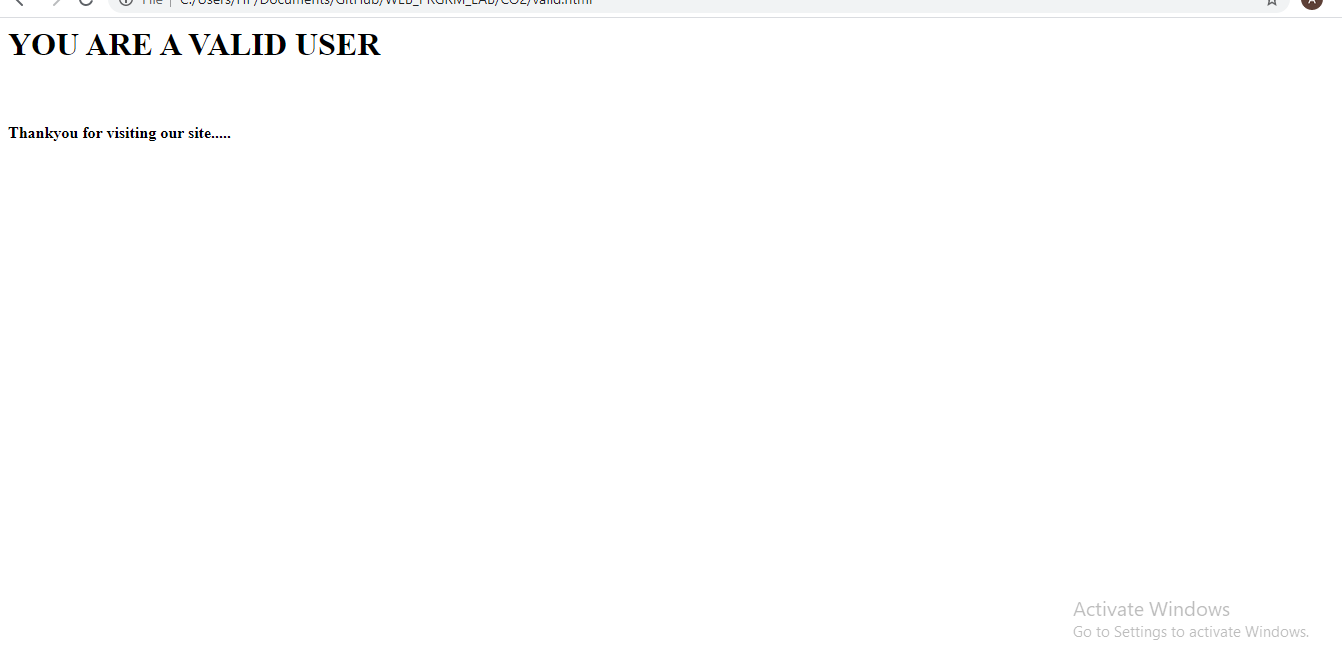
<H4>Thankyou for visiting our site.....</h4>

</body>

</html>

**RESULT:**





**QUESTION 4**

**AIM:** Evaluating JavaScript Event Handling for every click of a button to change the background color of a HTML page

**PROGRAM CODE**:

<html>

<head>

<script type ="text/javascript">

function get\_color(){

var color='#';

for(var i=0;i<6;i++)

{

color+=Math.round(Math.random())\*6;

}

document.body.style.background=color;

}

</script>

</head>

<body>

<button type ='button' onclick ="get\_color()">

<h1>Click Me to Change Background color!!!</h1>

</body>

</html>

**RESULT:**



**QUESTION 5**

**AIM:** Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling.

**PROGRAM CODE:**

<html>

<head>

<script type="text/javascript">

function setnewImage(){

document.getElementById("img1").src="tkmce.jpg";

document.getElementById("demo").innerHTML = "T K M College of Engineering, the first Government- aided engineering college in Kerala, is situated in the cashew hub of Kerala, City of Kollam.";

}

function setoldImage(){

document.getElementById("img1").src="Tkmlogo.jpg";

document.getElementById("new").innerHTML = "TKM College of Engineering celebrated six decades of excellence, as the byword for eminence in technical education, in 2019.";

}

</script>

</head>

<body bgcolor='lightcyan'>

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

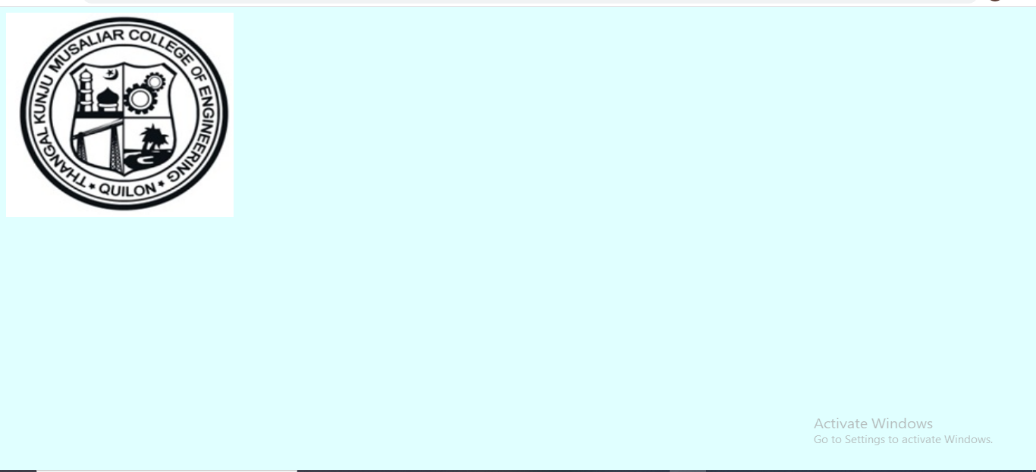
<h3 id="new"></h3>

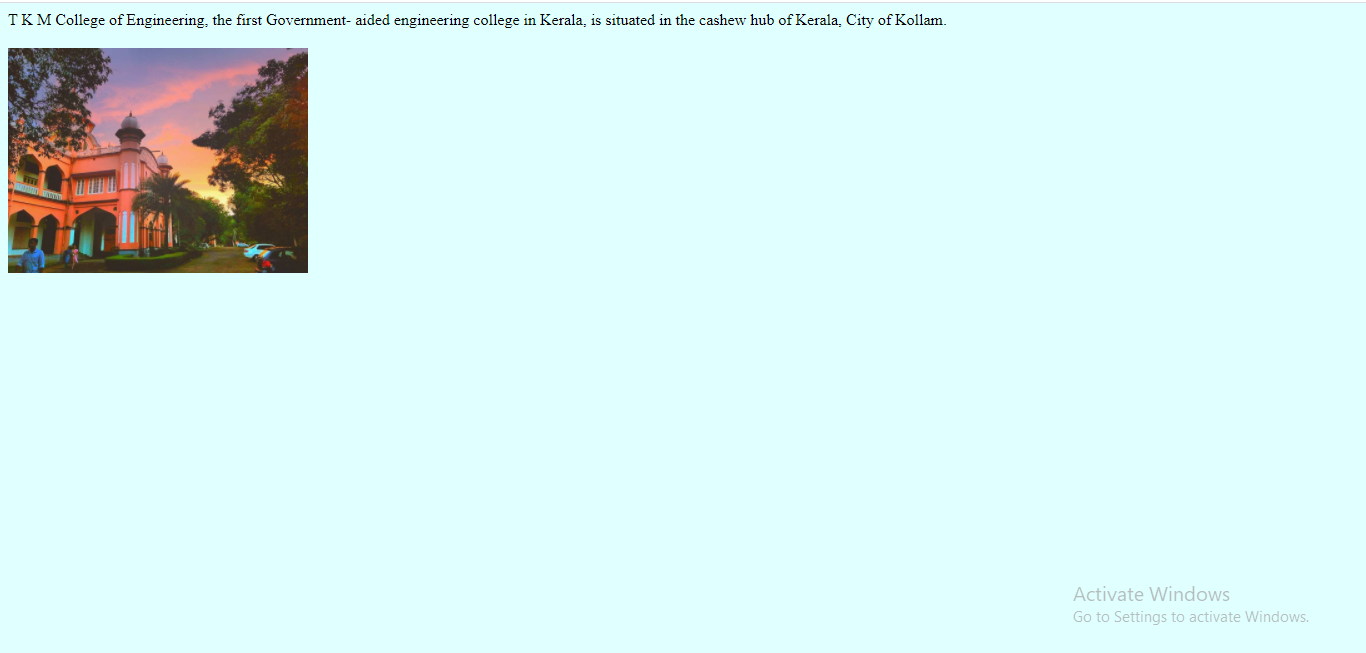
<img id="img1" onmouseover="setnewImage()" onmouseout="setoldImage()" src="Tkmlogo.jpg" width='300'/>

</body>

</html>

**RESULT:**



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**QUESTION 6**

**AIM:** Create a HTML page to show online exam using JavaScript.

**PROGRAM CODE:**

<html>

<head>

<style>

div#test{ border:#000 1px solid; padding:10px 40px 40px 40px; }

</style>

<script>

var pos = 0, test, test\_status, question, choice, choices, chA, chB, chC, correct = 0;

var questions = [

[ "What does HTML stand for?", "Hyper Text Markup Language", "Hyper Tools Markup language", "Hyperlink and tools language", "A" ],

[ "Choose the correct HTML tag name for the largest heading?", "head", "h1", "h6", "B" ],

[ "What is the correct HTML tag element for inserting a line break?", "break", "b", "br", "C" ],

[ "What does CSS stand for?", "Computer Style Sheets", "Creative Style Sheets", "Cascading Style Sheets", "C" ]

];

function \_(x){

return document.getElementById(x);

}

function renderQuestion(){

test = \_("test");

if(pos >= questions.length){

test.innerHTML = "<h2>You got "+correct+" of "+questions.length+" questions correct</h2>";

\_("test\_status").innerHTML = "Test Completed";

pos = 0;

correct = 0;

return false;

}

\_("test\_status").innerHTML = "Question "+(pos+1)+" of "+questions.length;

question = questions[pos][0];

chA = questions[pos][1];

chB = questions[pos][2];

chC = questions[pos][3];

test.innerHTML = "<h3>"+question+"</h3>";

test.innerHTML += "<input type='radio' name='choices' value='A'> "+chA+"<br>";

test.innerHTML += "<input type='radio' name='choices' value='B'> "+chB+"<br>";

test.innerHTML += "<input type='radio' name='choices' value='C'> "+chC+"<br><br>";

test.innerHTML += "<button onclick='checkAnswer()'>Submit Answer</button>";

}

function checkAnswer(){

choices = document.getElementsByName("choices");

for(var i=0; i<choices.length; i++){

if(choices[i].checked){

choice = choices[i].value;

}

}

if(choice == questions[pos][4]){

correct++;

}

pos++;

renderQuestion();

}

window.addEventListener("load", renderQuestion, false);

</script>

</head>

<body>

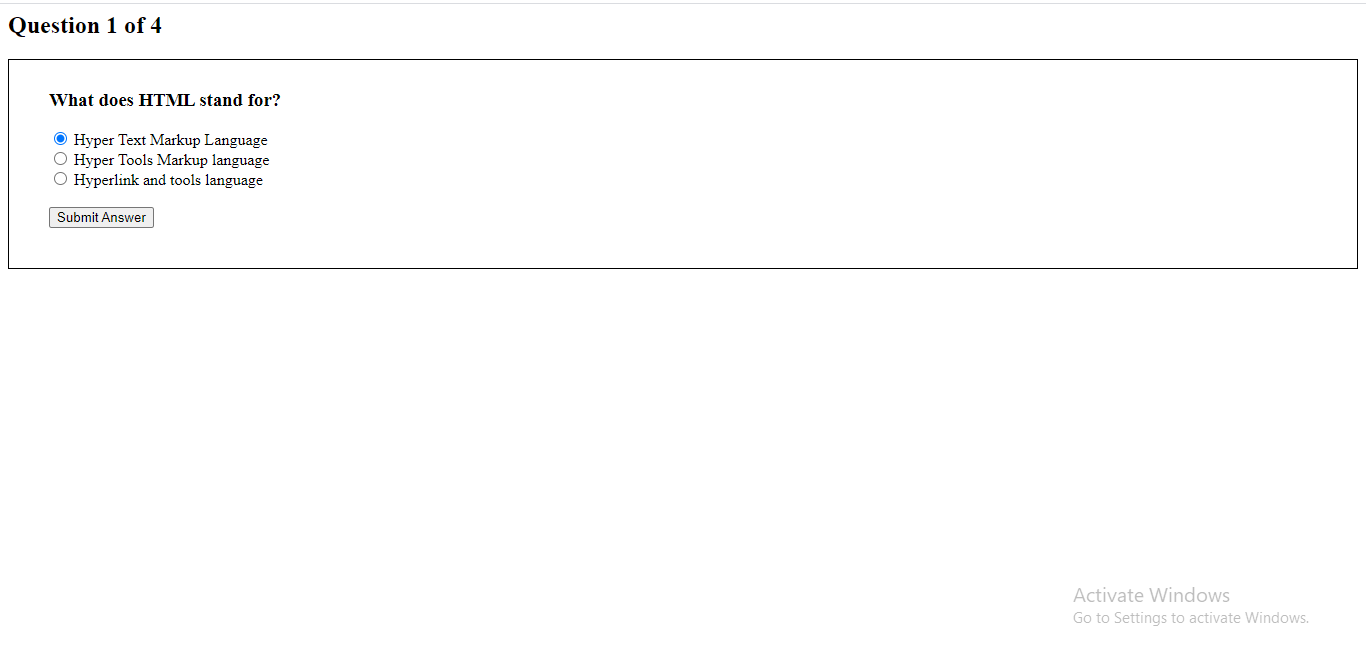
<h2 id="test\_status"></h2>

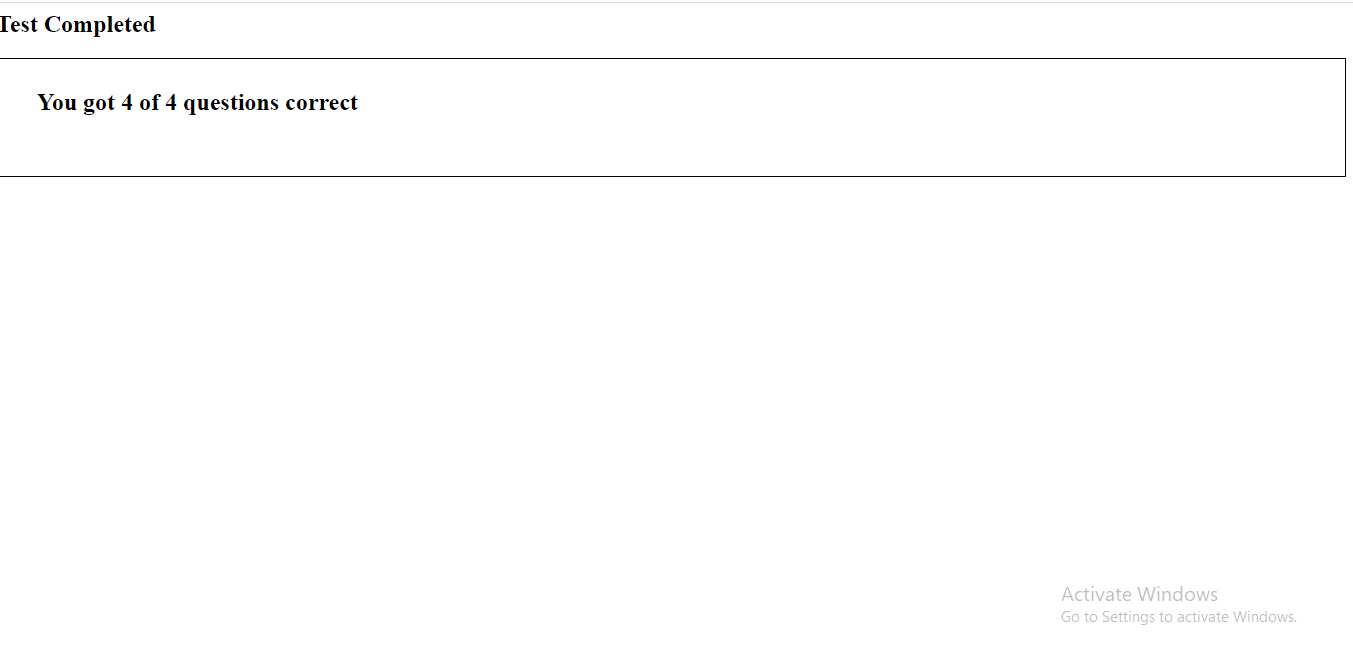
<div id="test"></div>

</body>

</html>

**RESULT:**

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