

AIM

Model a simple HTML file describing your hometown (demonstrate the use of different tags).

Program Code

```
<html>
<head>
<title>my hometown</title>
</head>
<body bgcolor="lavender">
<h1><font color="orange">HomeTown</font></h1>
<p><font color="blue">
<h3>Aloor is a panchayat in the Chalakudy-Mukundapuram taluk in the Thrissur district of Kerala, India.
It is near the towns of Irinjalakuda and Chalakudi.
Since 1901, the name "Aloor" has been simplified to "Alur" by the Cochin State and Central Government departments.</h3></font></p>
<marquee ><font color="blue">Aloor,680683,ph:4536725677</font></marquee>
<ul><h4>
<li>schools</li>
<ol>
<li>st anne</li>
<li>st joseph</li>
</ol>
<li>colleges</li>
<ol>
<li>sahrdaya</li>
<li>sahrdaya engineering</li>
</ol>
</h4>
</ul>
<marquee><font color="green"><h4>aloor,680683,ph:4536745676</h4></font></marquee>
```


<p><h4>Aloor Panchayat is part of the Irinjalakuda legislative constituency.

The area consists of Aloor, Thazhekkad, and Kallettumkara revenue villages.

This includes places like Kallettumkara, Thazhekkad, Kombadinjamakkal, Anathadom, Karoor, Vellamchira,

Kuzhikkattussery, Porunnakunnu, Kannikkara, Vallakkunnu, Thuruthiparambu, Panjappilly, Urumbunkunnu, and Manattukunnu.

The Aloor Panchayat office is located in Kallettumkara, another census town located nearby.</h4></p>

</body>

</html>

Output



AIM

Create a webpage for displaying your biodata which contains images, tables, and also link within a page

Program Code

Bio.html

```
<html>
<head>
<title>bio</title>
</head>
<body bgcolor="Aquamarine" text ="black">
<h1 align="center"> <font color="Crimson"><u>BIO-DATA</u></font></h1>
<img src>
<h2>
Name:manu<br>
course:MCA<br><br><br>
<br>

<a href="personal.html">Personal details</a><br>
<a href="Academic.html">Academic details</a></h2>
</body>
</html>
```

personal.html

```
<html>
<head>
<title>details</title>
</head>
<body bgcolor="Plum">
```

<u>PERSONAL DETAILS</u></h2>

<h2>

Name: Manu

Course: MCA

Age: 21

Gender: male

Date of Birth: 18/01/2001

Place: kozhikode

Ph: 9846183122

Email id: manu45d@gmail.com

Father name: Denny C.G

Mother name: Swapna Denny
</h2>

<h3>

Back to Homepage</h3>

</body>

</html>

Academic.html

<html>

<head>

<title>tables</title>

</head>

<body bgcolor="LightBlue">

<h1 align="center"><u>Academic
Details</u></h1>

<table border="5" style="width:50%" cellpadding="15" cellspacing="15" align="center" >

<h2>

<tr>

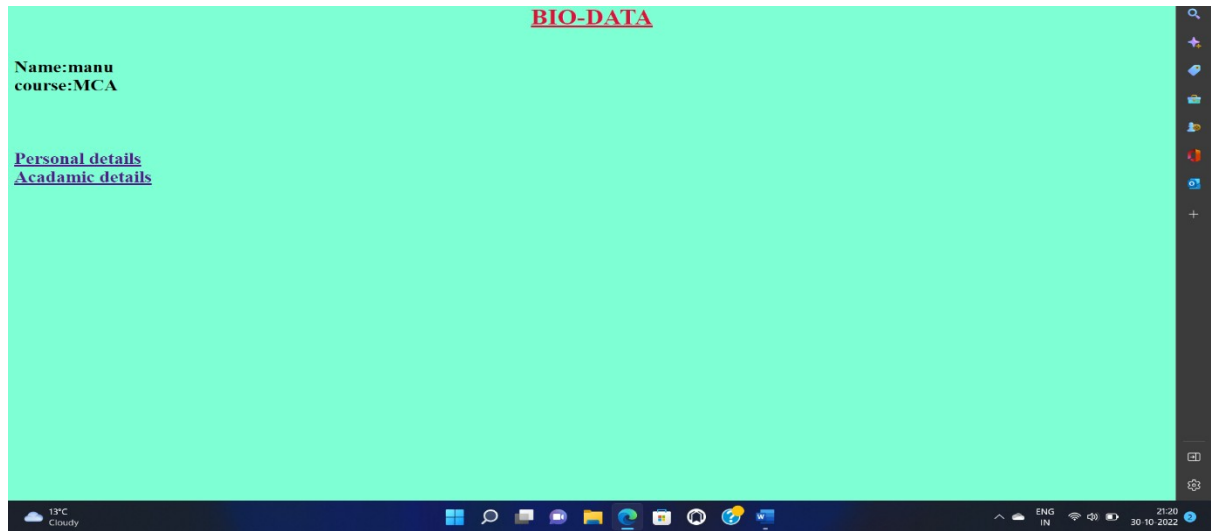
<th bgcolor="LawnGreen">course</th>

<th bgcolor="LawnGreen">year</th>

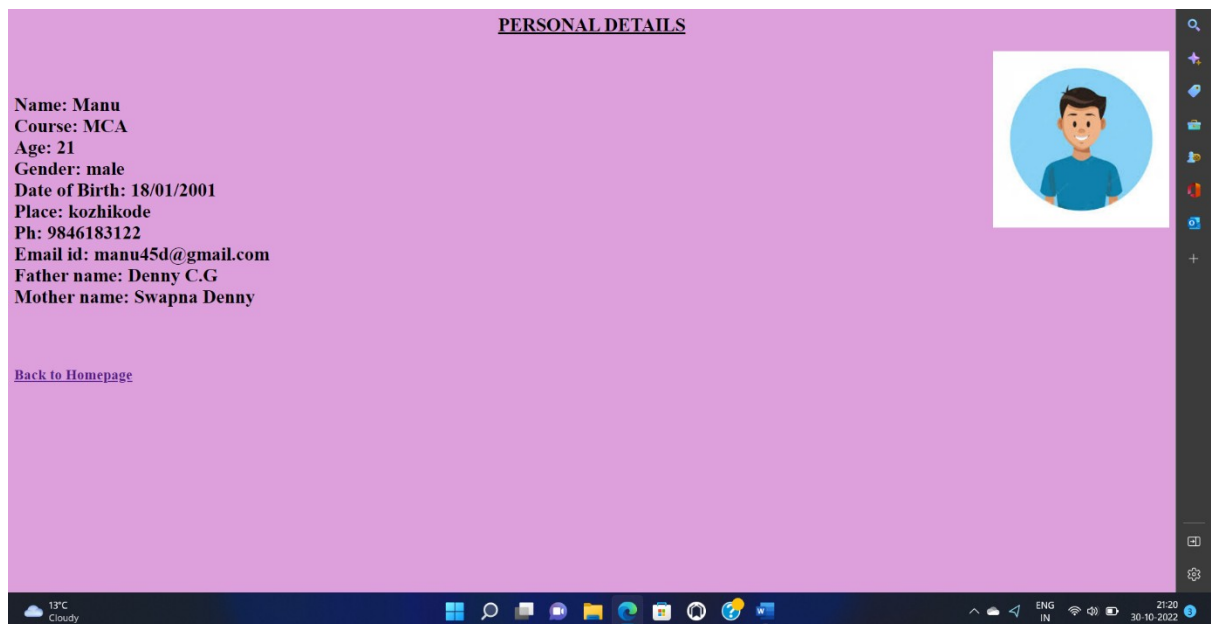
```
<th bgcolor="LawnGreen">percentage</th>
</tr>
<tr style="height:50px">
<td>10th</td>
<td>2017</td>
<td>92%</td>
</tr>
<tr style="height:50px">
<td>12th</td>
<td>2019</td>
<td>86%</td>
</tr>
<tr style="height:50px">
<td>BCA</td>
<td>2022</td>
<td>85%</td>
</tr>
</h2>
</table>
<br>
<br><h3>
<a href="bio.html">Back to Homepage</a></h3>
</body>
</html>
```

Output

Bio.html



personal.html

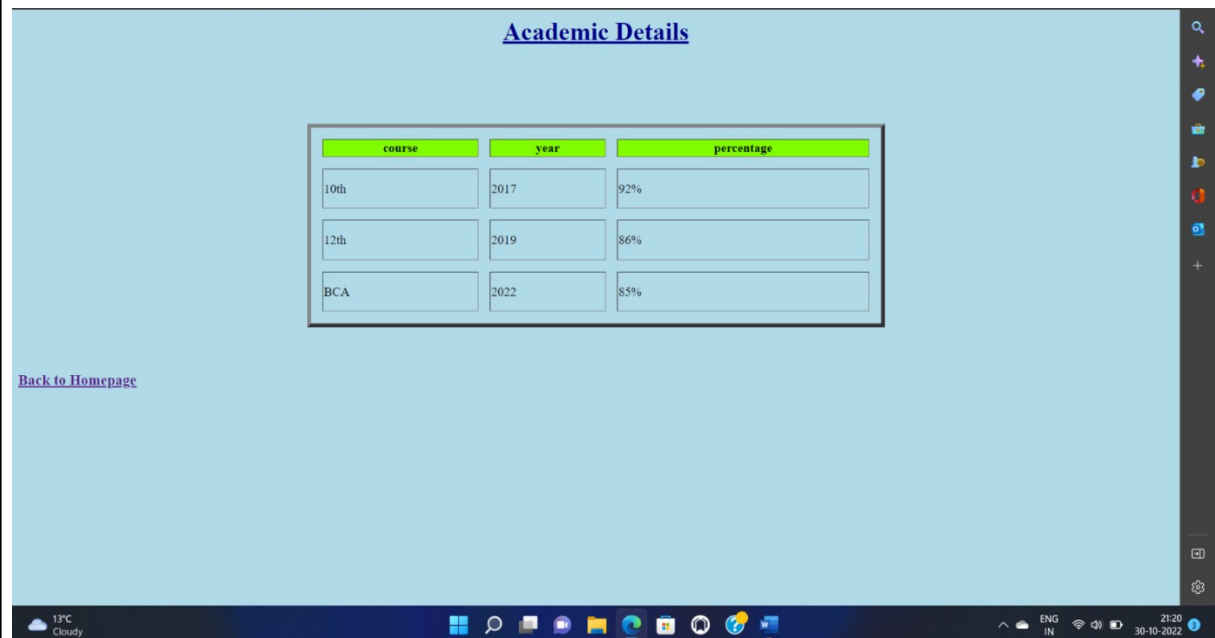


Academic.html

Academic Details

| course | year | percentage |
|--------|------|------------|
| 10th | 2017 | 92% |
| 12th | 2019 | 86% |
| BCA | 2022 | 85% |

[Back to Homepage](#)



AIM

Design an application form for MCA course in FISAT using HTML.

Program Code

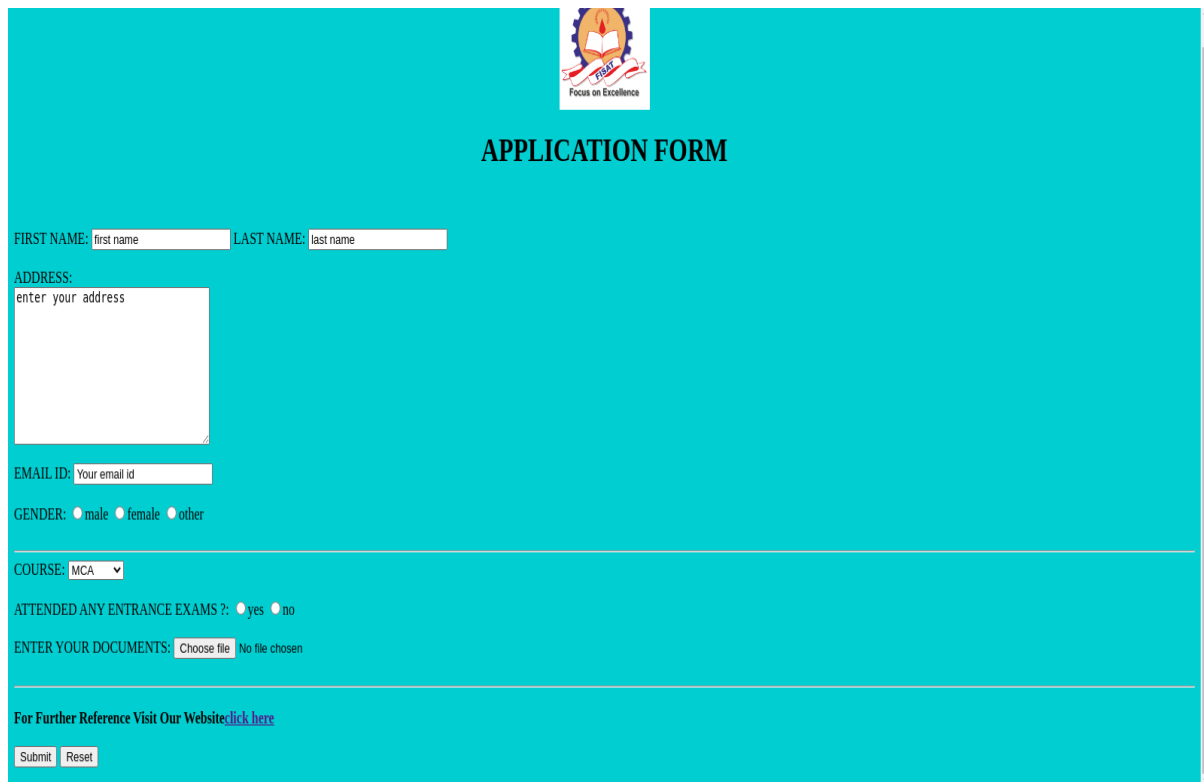
```
<html>
<head>
<title>form</title>
</head>
<body bgcolor=" DarkTurquoise " text=" black">
<center></center>
<h1 align="center">APPLICATION FORM</h1><br><br>
<form>
FIRST NAME:
<input type="text" name="name" value="first name">
LAST NAME:
<input type="text" name="name" value="last name"><br>
<br>
ADDRESS:<br>
<textarea name="name" value="Your Address" rows="10" cols="30">enter your
address</textarea><br>
<br>
EMAIL ID:
<input type="text" name="name" value="Your email id" >
<br><br>
GENDER:
<input type="radio" name="gender" value="male" >male
<input type="radio" name="gender" value="female">female
<input type="radio" name="gender" value="other">other
<br><br>
<hr>
COURSE:
<select>
<option>MCA</option>
<option>MBA</option>
<option>M-TECH</option>
<option>B-TECH</option>
<option>MSC CS</option>
</select>
<br><br>
ATTENDED ANY ENTRANCE EXAMS ?:
<input type="radio" name="exam" value="yes" >yes
<input type="radio" name="exam" value="no">no<br>
<br>
ENTER YOUR DOCUMENTS:
<input type = "file" name = "fileupload" accept = "image/*" /><br>
```



```
<br>
<hr>
<h4>For Further Reference Visit Our Website<a href="https://fisat.ac.in/">click
here</a><br>
<br>
<input type="submit" name="submit"> <input type = "reset" name = "reset" value =
"Reset" />

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

Output



The screenshot displays the FISAT Application Form. At the top center is the FISAT logo, which features a gear, a book, and a torch, with the text 'FISAT' and 'Focus on Excellence' below it. The title 'APPLICATION FORM' is centered below the logo. The form fields are as follows: 'FIRST NAME:' with a text input field containing 'first name'; 'LAST NAME:' with a text input field containing 'last name'; 'ADDRESS:' with a text area containing 'enter your address'; 'EMAIL ID:' with a text input field containing 'Your email id'; 'GENDER:' with three radio buttons labeled 'male', 'female', and 'other'; 'COURSE:' with a dropdown menu showing 'MCA'; 'ATTENDED ANY ENTRANCE EXAMS ?:' with two radio buttons labeled 'yes' and 'no'; and 'ENTER YOUR DOCUMENTS:' with a 'Choose file' button and the text 'No file chosen'. At the bottom, there is a link 'For Further Reference Visit Our Website' followed by a blue 'click here' link. Below the link are two buttons: 'Submit' and 'Reset'.

AIM

Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

Program Code

Main .html

```
<html><head><title>main page</title></head>
<body bgcolor=" cyan">
<h1><center>Differnt frames in html</h1>
<h2>
<a href="frame.html" target="mainF">navigation</a><br><br>
<a href="ifr.html" target="mainF">floating frame</a><br>
<a href="mixed.html" target="mainF">mixed frame</a><br></h2>
</center></body>
</html>
```

Navigation.html

```
<html>
<head><title>Navigation Bar</title></head>
<body bgcolor="DodgerBlue"><center>
<a href="course.html" target="mainF">HTML Course</a><br><br>
<a href="paragraph.html" target="mainF">Paragraphs</a><br>
<a href="headings.html" target="mainF">Headings</a><br>
<a href="intro.html" target="mainF">Home</a><br>
</center></body>
</html>
```

Ifr.html

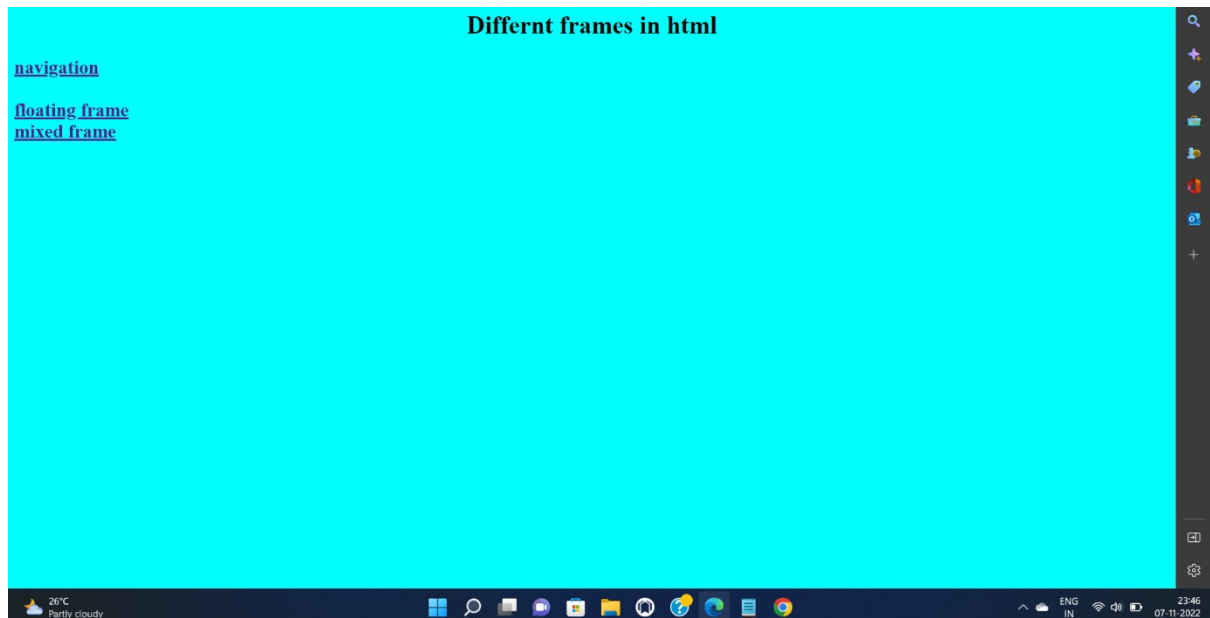
```
<html>
<head>
<title>iframe</title>
</head>
<body bgcolor="Aquamarine">
<h1 align="center"> Departments</h1>
<h3>
FISAT College Departments
<ul>
<li>Civil Engineering</li>
<li>Computer Science and Engineering</li>
<li>Electrical and Electronics Engineering</li>
<li>Electronics and Communication Engineering</li>
<li>Electronics and Instrumentation Engineering</li>
<li>Mechanical Engineering</li>
<li>Business Administration</li>
<li>Computer Applications</li>
<li>Science and Humanities</li>
</ul>
<iframe src="course.html"></iframe>
<p>Federal Institute of Science and Technology (FISAT) is a self-financing engineering
institute established in the year 2002 by the Federal Bank Officers Association Education
Society (FBOAES).
It is approved by the All India Council for Technical Education (AICTE) and affiliated to
Kerala Technological University (KTU) and Mahatma Gandhi University, Kottayam</p>
<a href="main.html">back</a>
</body>
</html>
```

Mixed.html

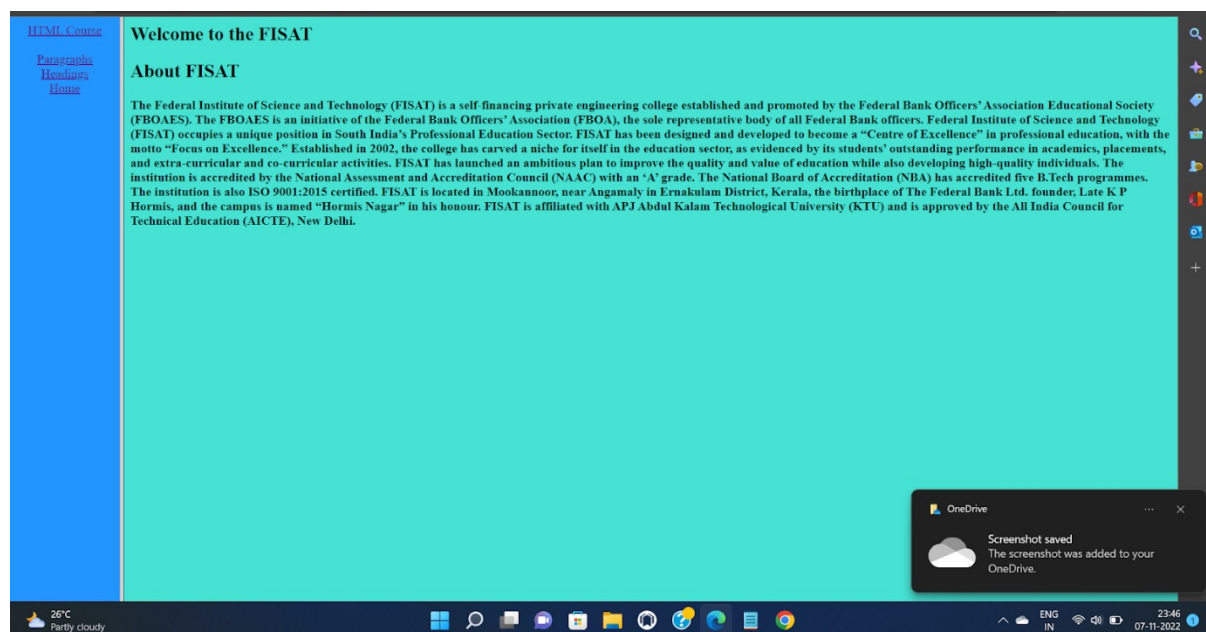
```
<html>
<head><title>Frames 2</title></head>
<frameset cols="140,*">
<frame name="navF" src="navigation.html">
<frameset rows="30%,70%">
<frame name="upperF" src="intro.html">
<frame name="lowerF" src="course.html">
</frameset>
</frameset>
</html>
```

Output

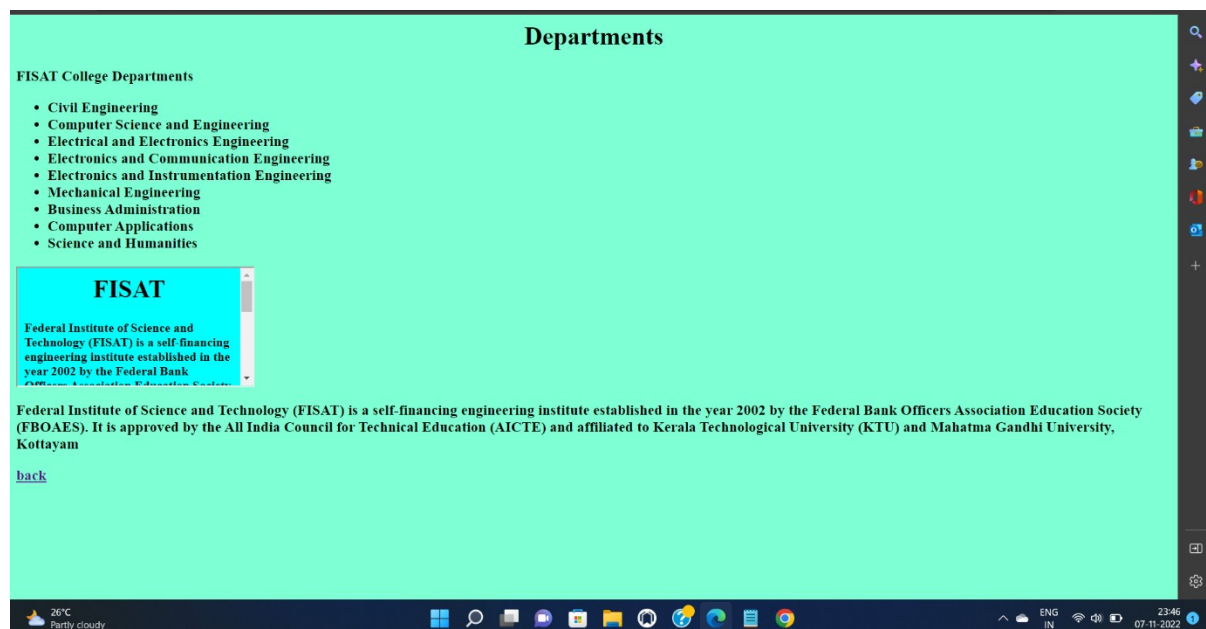
Main .html



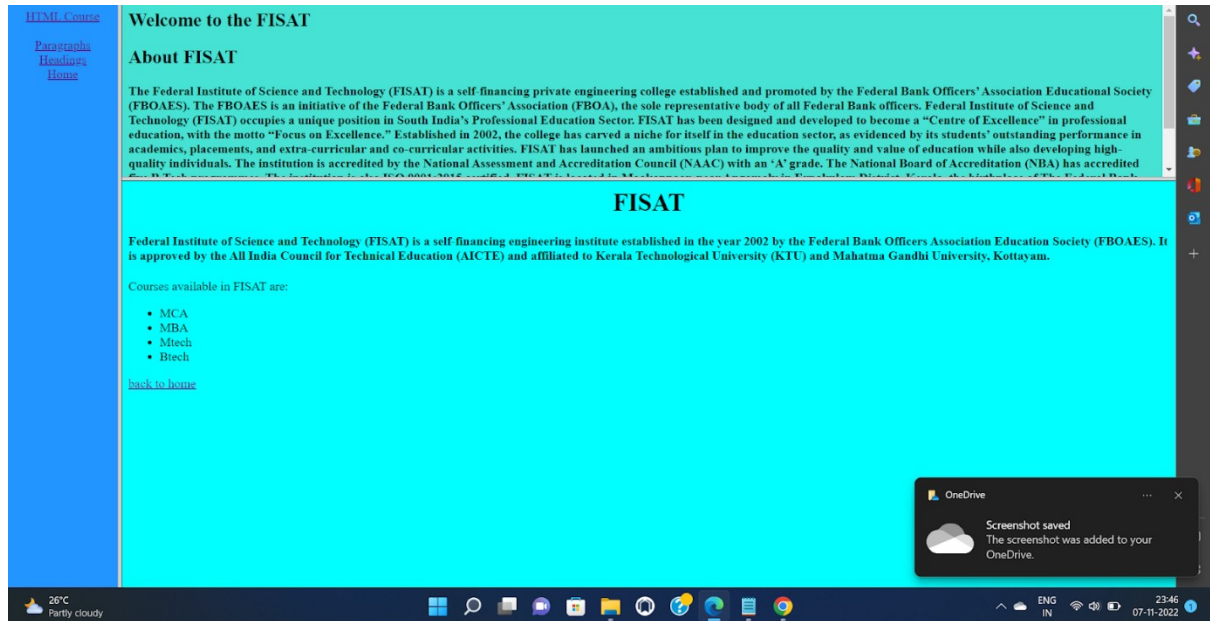
Navigation.html



Ifr.html



Mixed.html



AIM

Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

Program Code

Main.html

```
<html>
<head>
<title>main</title>
</head>
<body bgcolor="LawnGreen">
<br>
<br>
<br>
<a href="inline.html">INLINE EXAMPLE</a><br>
<a href="internal.html">INTERNAL EXAMPLE</a><br>
<a href="external.html">EXTERNAL EXAMPLE</a><br>
</body>
</html>
```

Inline.html

```
<html>
<head>
<title>inline example</title>
</head>
<body bgcolor="lavender">
<h1 align="center" style="color:cyan;"><u>inline example</u></h1><br>
<br><br>
<p>
```

<h2 style="color:blue;">the Department of Computer Science & Engineering was established in the year 2002.

Annual intake of students for B.Tech Computer Science & Engineering course is 180, B.Tech Computer

Science and Design is 60, M.Tech (CSIS) is 12 and M.Tech (Artificial Intelligence and Data Science) is

12. </h2>

<h3 style="color:pink;" >Department is also recognized by APJ Abdul Kalam Technological University as a research center for

Ph.D programmes.

The department has competent and committed faculty which encourages students' involvement in various

<h2 style="color:green;">co-curricular activities along with their academics.

The institution offers post graduate programs in M Tech, Master of Computer Applications and

Master of Business Administration, all affiliated to APJ Abdul Kalam Technological University.

The duration of the PG Programmes is 4 semesters.</h2></p>

</p>

</body>

</html>

Internal.html

<html>

<head>

<style>

body {background-color: powderblue;}

h1 {color: blue;}

h3 {color: YellowGreen}

p {color: green;}

</style>


```
</head>
<body>
<h1 align="center">Internal example</h1><br>
<br><br>
<h2>course</h2>
<h3>
<ul>
<li>mca</li>
<li>mba</li>
<li>mtech</li>
<li>btech</li>
</ul>
</h3>
<h2><p>The institution offers post graduate programs in M Tech, Master of Computer
Applications and
Master of Business Administration, all affiliated to APJ Abdul Kalam Technological
University.
The duration of the PG Programmes is 4 semesters.</p></h2>
</body>
</html>
```

External.html

```
<html>
<head>
<link rel="stylesheet" href="style.css">
</head>
<body>
<h1 align="center">EXTERNAL EXAMPLE</h1><br><br>
<br>
<h2>fisat</h2><br><br>
<h3>the Department of Computer Science & Engineering was established in the year 2002.
<br>
```

Annual intake of students for B.Tech Computer Science & Engineering course is 180, B.Tech Computer

Science and Design is 60, M.Tech (CSIS) is 12 and M.Tech (Artificial Intelligence and Data Science) is

12. </h3>

<p><h3>The institution offers post graduate programs in M Tech, Master of Computer Applications and

Master of Business Administration, all affiliated to APJ Abdul Kalam Technological University.

The duration of the PG Programmes is 4 semesters.</h3></p>

</body>

</html>

Style.css

```
body {  
    background-color: Plum;  
}
```

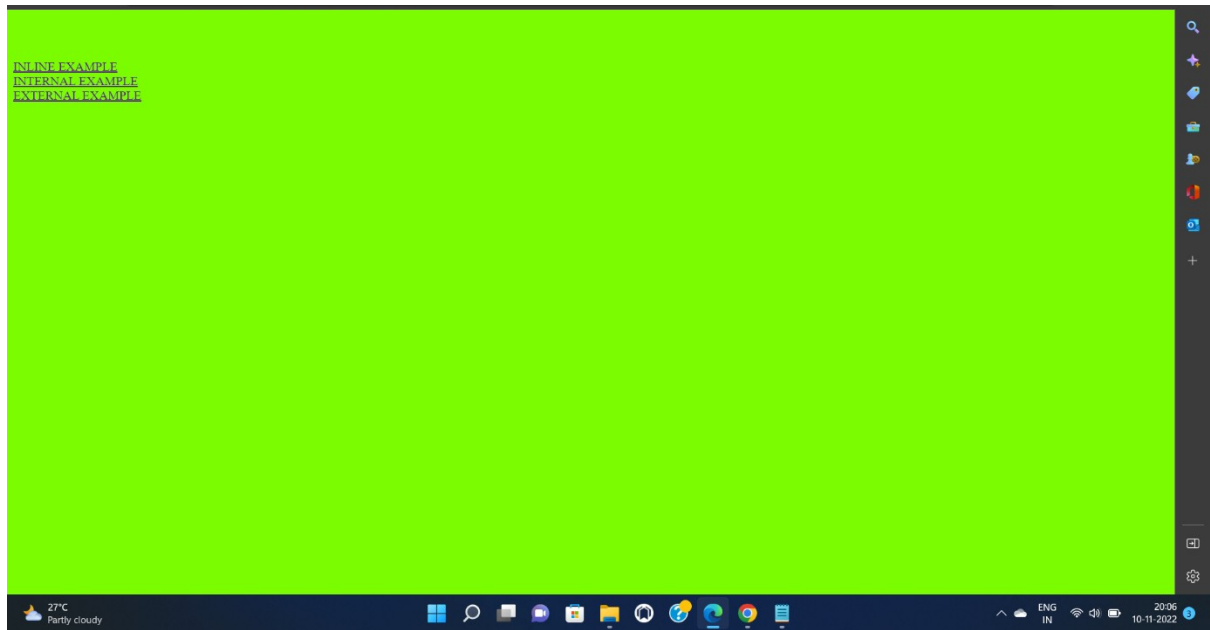
```
h1 {  
    color: MediumPurple;  
}
```

```
h3 {  
    color: Indigo;  
}
```

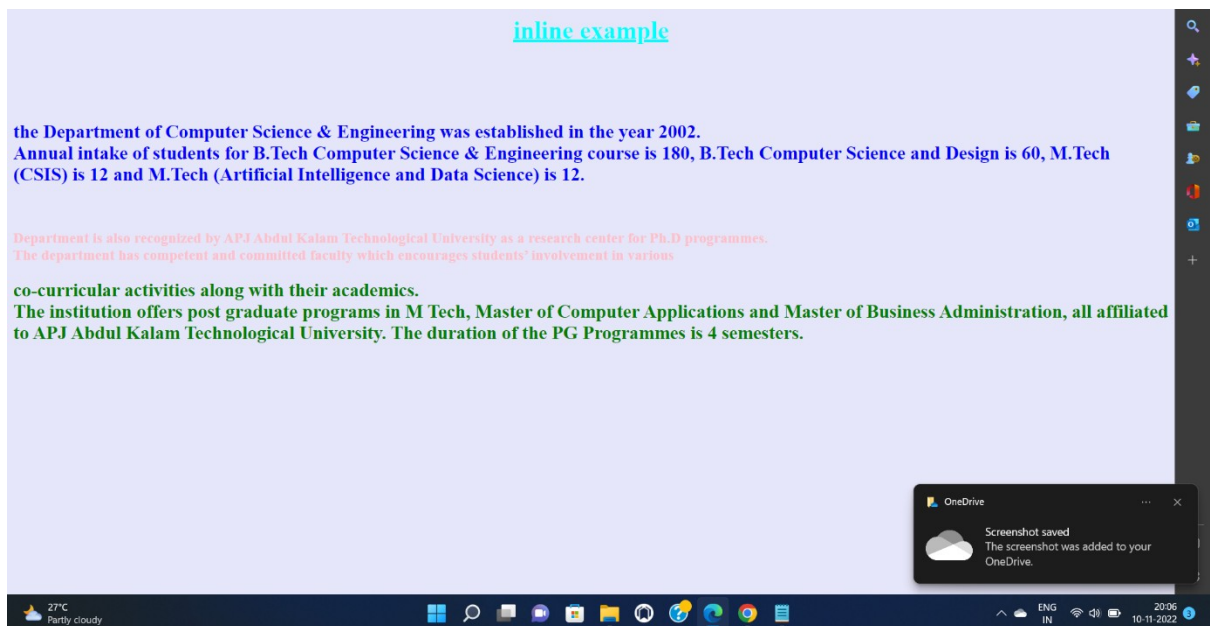
```
p {  
    color: DarkViolet;  
}
```

Output

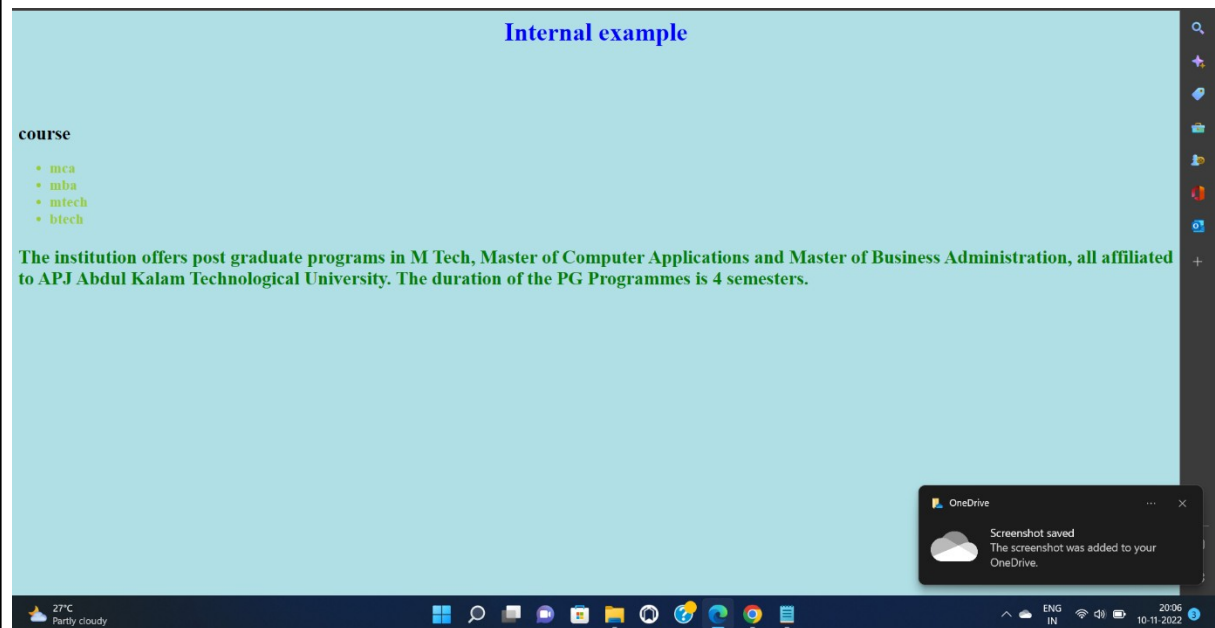
Main.html



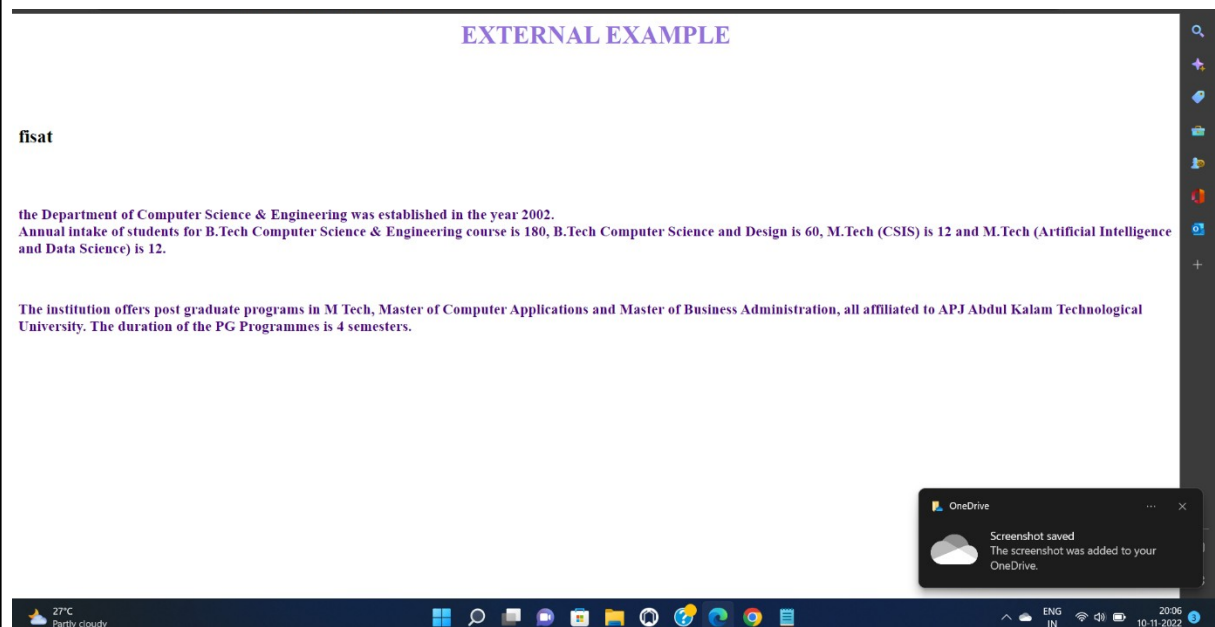
Inline.html



Internal.html



External.html



AIM

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

Program Code

Myform.html

```
<html>
<head>
<title>applicationform</title>
<script>
function validateForm() {
var x = document.forms["myForm"]["fname"].value;
var y = document.forms["myForm"]["fname1"].value;
var z = document.forms["myForm"]["age"].value;
var a = document.forms["myForm"]["address"].value;
var b = document.forms["myForm"]["contact"].value;
var c = document.forms["myForm"]["email"].value;
var d = document.forms["myForm"]["pwd"].value;
if (x == "") {
alert(" First Name must be filled out");
return false;
}
if (y == "")
{
alert("Last Name must be filled out");
return false;
}
if (z == "")
{
alert("Age must be filled out");
return false;
```

```
}  
if (a == "")  
{  
  
alert("Address must be filled out");  
return false;  
}  
if (b == "")  
{  
alert("contact must be filled out");  
return false;  
}  
if (c == "")  
{  
alert("e-mail must be filled out");  
return false;  
}  
if (d == "")  
{  
alert("Password must be filled out");  
var n = document.forms["myForm"]["contact"].value;  
if (isNaN(n)) {  
alert("Please enter Numeric value");  
return false; }  
}  
</script>  
</head>  
<body bgcolor="#d1e0e0" align="center">  
<form name="myForm" action="form.html" onsubmit="return validateForm()" method="post">  
<h2 align="center">APPLICATION FORM</h2>  
<hr>
```

```

<table border=1 align="center">

<tr>

<td>FIRST NAME:</td>

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

</tr>

<tr>

<td>LAST NAME:

<td><input type="text" name="fname1"></td>

</tr>

<tr>

<td>AGE:</td>

<td><input type="text" name="age"></td></tr>

<tr>

<td>ADDRESS:</td>

<td><textarea name="address" rows="5" cols="30">

</textarea><td></tr>

<tr>

<td>Contact No:</td>

<td><input type="number" name="numbers" ></td>

</tr>

<tr>

<td>EMAIL:</td>

<td><input type="text" name="email"></td></tr>

<tr>

<td>PASSWORD:</td>

<td><input type="password" id="pwd" name="pwd"></td></tr>

</table>

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

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

</form>

</body>

```

</html>

Form.html

<html>

<head>

<title>registration form</title>

</head>

<body align="center" color="#ccccff">

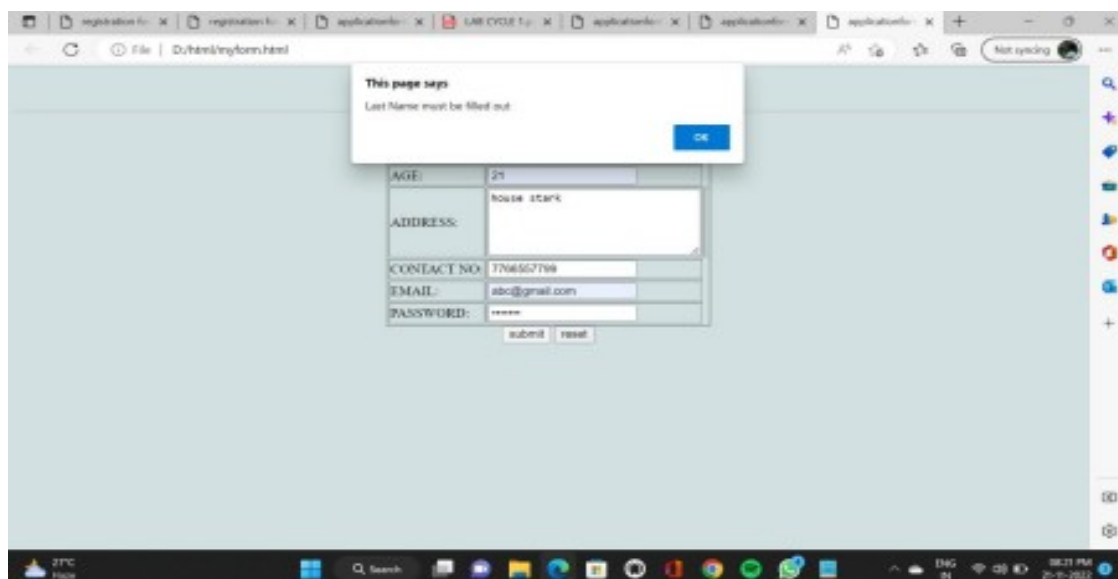
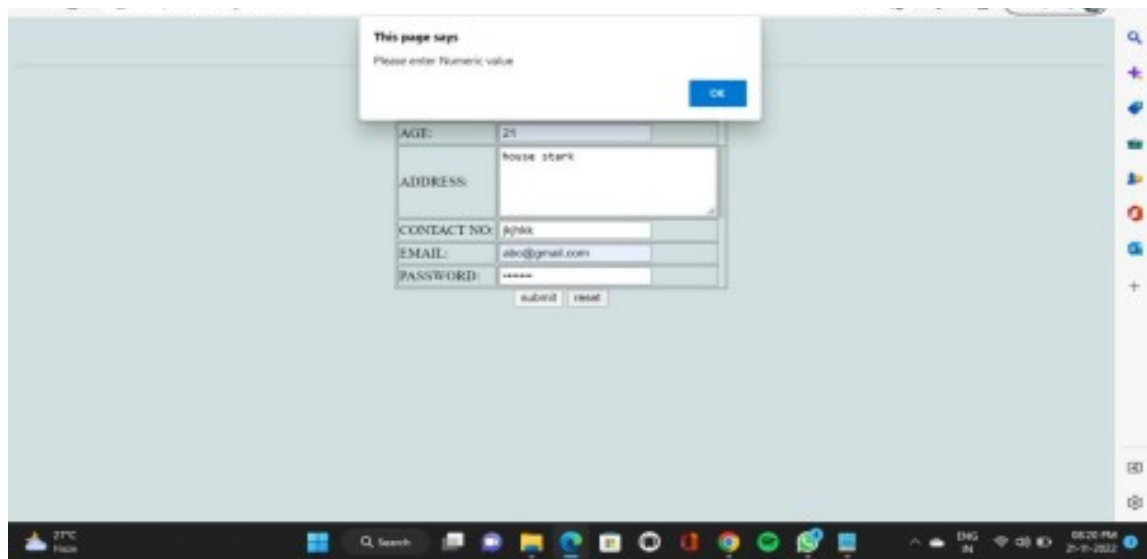
REGISTRATION SUCESSFULL

</body>

</html>

Output





AIM

Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

Program Code

```
<html>

<head>

<title>

</title>

<style>

.myDiv {

    width: 500px;

    height: 1000px;

    position: absolute;

    top: 5%;

    left: 15%;

    background-color: lavender;

    text-align: center;

    border-style: groove;

    border-color: #92a8d1;

}

.myDiv1 {

    width: 500px;

    height: 1000px;

    position: absolute;

    top: 5%;
```

```
    left: 50%;

    background-color: lavender;

    text-align: center;

    border-style: groove;

    border-color: #92a8d1;
}
</style>
</head>
<body>
<div class="myDiv">

<br><br><h2><u>STRING&nbsp;&nbsp;&nbsp;FUNCTIONS</u></h2><br>
Enter a string <br><br><input type="text" name="fname" id="text1">

<br><br>

<button type="submit" style="height:50px; width:100px" value="Submit"
onclick="StringForm()">Submit</button>

<br><br>

<u>Output</u><br>

<p id="text2">

</p>

<p id="text3">

</p>

<p id="text6">

</p>

<p id="text8">
```

</p>

<p id="text9">

</p>

<p id="text10">

</p>

<p id="text12">

</p>

</div>

<div class="myDiv1">

<h2><u>MATH FUNCTIONS</u></h2>

Enter any digit

<input type="number" id="qu" name="quantity">

<button type="submit" style="height:50px; width:100px" value="Submit"
onclick="MathForm()">Submit</button>

<u>Output</u>

<u>Constants</u>

<p id="texta">

</p>

<p id="textb">

</p>

<p id="textf">

</p>

<p id="textg">

</p>

```
<p id="textk">
```

```
</p>
```

```
<p id="textm">
```

```
</p>
```

```
</div>
```

```
</body>
```

```
<script>
```

```
function StringForm() {
```

```
let text = document.getElementById("text1").value;
```

```
let length = text.length;
```

```
let part = text.slice(3,5);
```

```
let re = text.replace("anex","pauly");
```

```
let up = text.toUpperCase();
```

```
let lo = text.toLowerCase();
```

```
let co = text.concat("", "pauly");
```

```
let ch = text.charAt(2);
```

```
document.getElementById("text2").innerHTML = "The String Length is : " + length;
```

```
document.getElementById("text3").innerHTML = "The Sliced String from 3rd to 5th  
position is : " + part;
```

```
document.getElementById("text6").innerHTML = "The replaced String is : " + re;
```

```
document.getElementById("text8").innerHTML = "The Uppercased String is : " + up;
```

```
document.getElementById("text9").innerHTML = "The Lowercased String is : " + lo;
```

```
document.getElementById("text10").innerHTML = "The concated String is : " + co;
```

```
document.getElementById("text12").innerHTML = "The Character at 2nd position of the String is : " + ch;
```

```
return true;
```

```
}
```

```
function MathForm() {
```

```
let text = document.getElementById("qu").value;
```

```
let ro = Math.round(text);
```

```
let si = Math.sign(text);
```

```
let po = Math.pow(text,2);
```

```
let sq = Math.sqrt(text);
```

```
let ab = Math.abs(text);
```

```
let max = Math.max(0, 150, 30, 20, -8, -200);
```

```
let l = Math.log(text);
```

```
document.getElementById("texta").innerHTML = "<p><b>Math.E:</b> " + Math.E + "</p>" +
```

```
"<p><b>Math.PI:</b> " + Math.PI + "</p>"
```

```
document.getElementById("textb").innerHTML = "The Rounded value is " + ro;
```

```
document.getElementById("textf").innerHTML = "The sign of the value is " + si;
```

```
document.getElementById("textg").innerHTML = "The power of the value with 2 is " + po;
```

```
document.getElementById("textk").innerHTML = "The max value for the given values(0,150,30,20,-8,-200) is " + max;
```

```
document.getElementById("textm").innerHTML = "The log value for the given number is " + l;
```

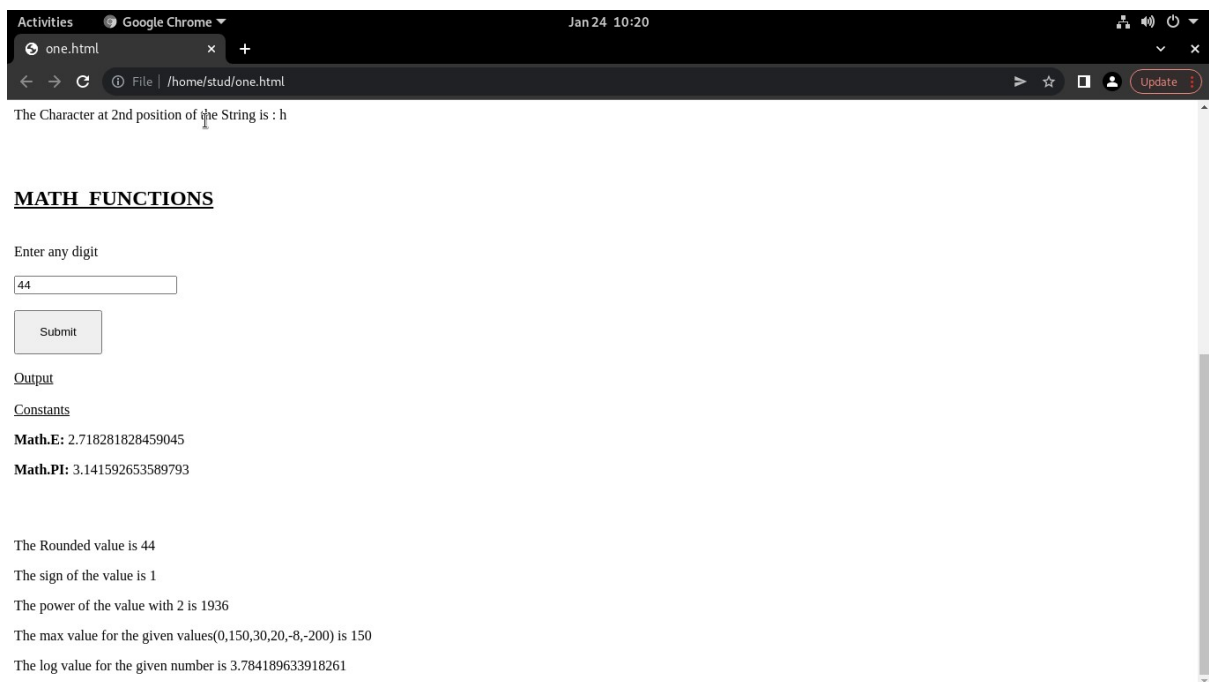
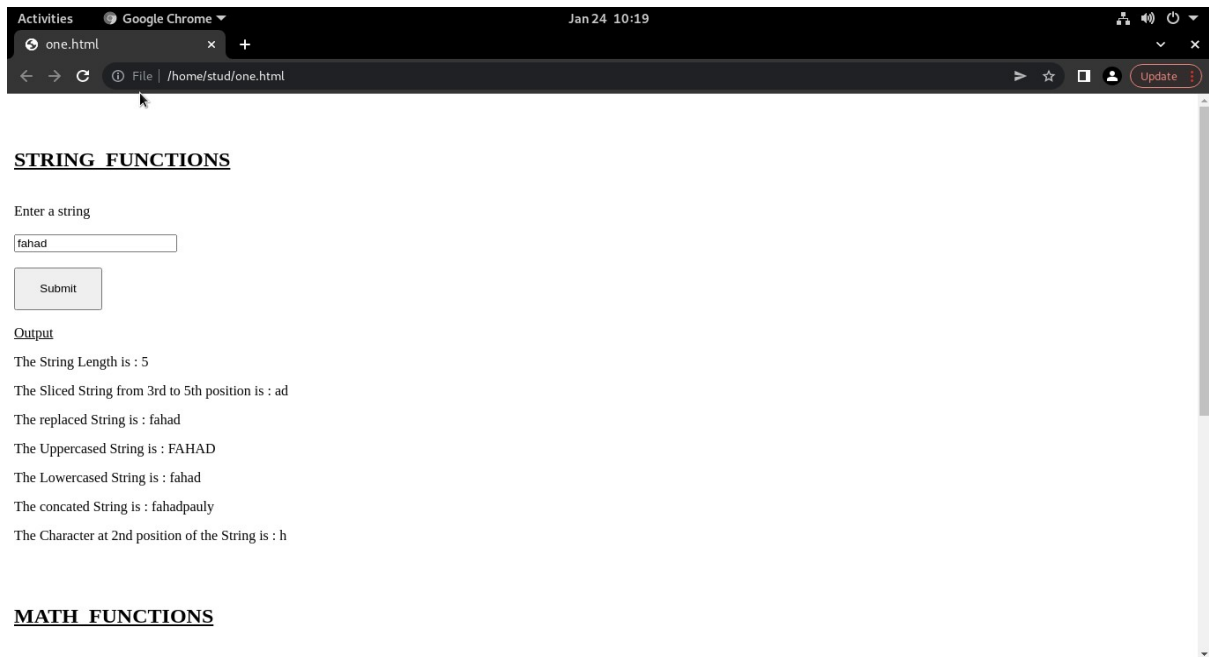
```
return true;
```

```
}
```

```
</script>
```

</html>

Output



AIM

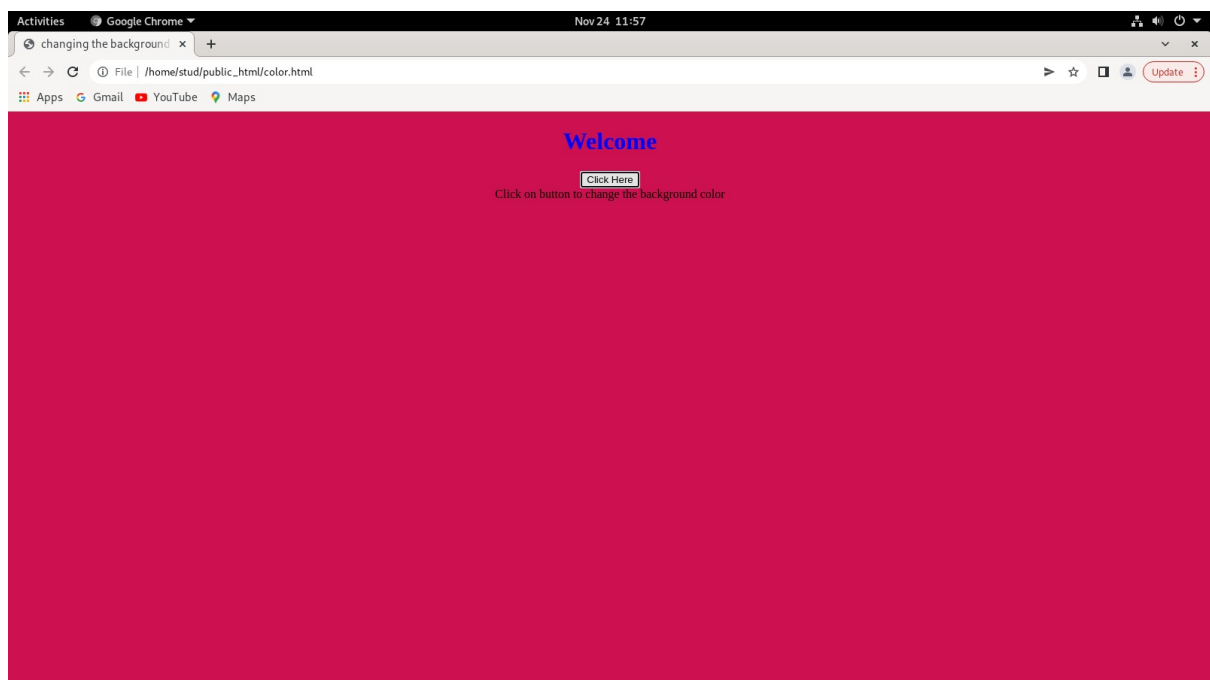
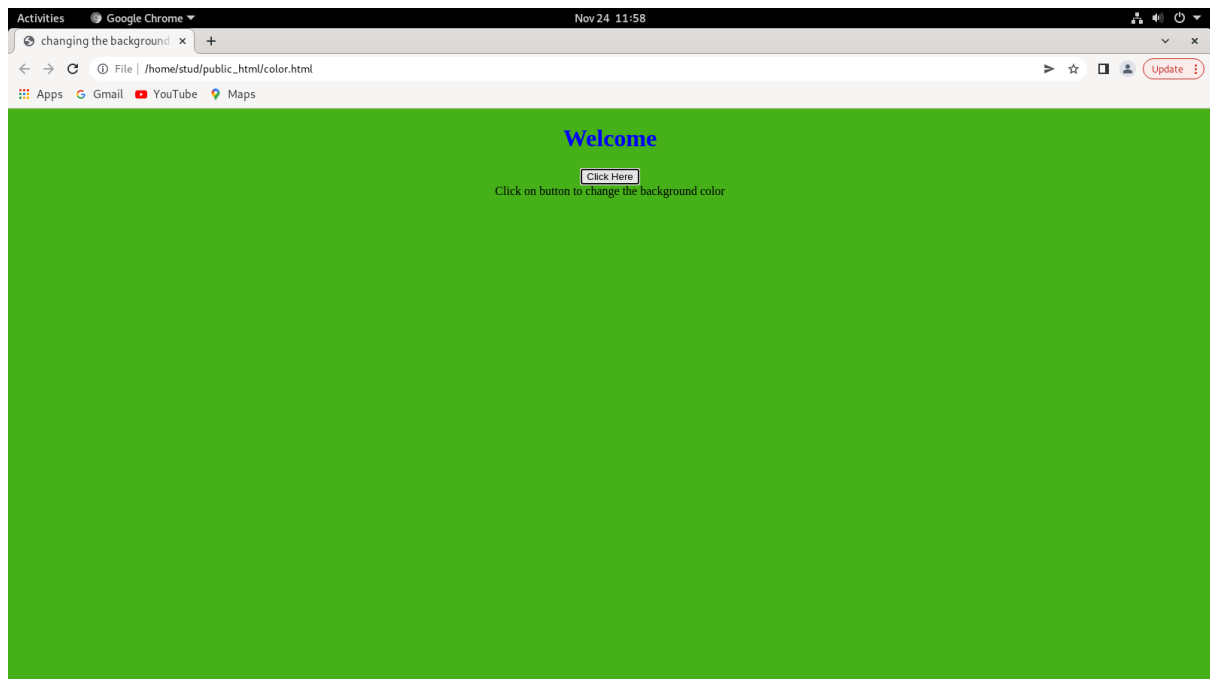
Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.

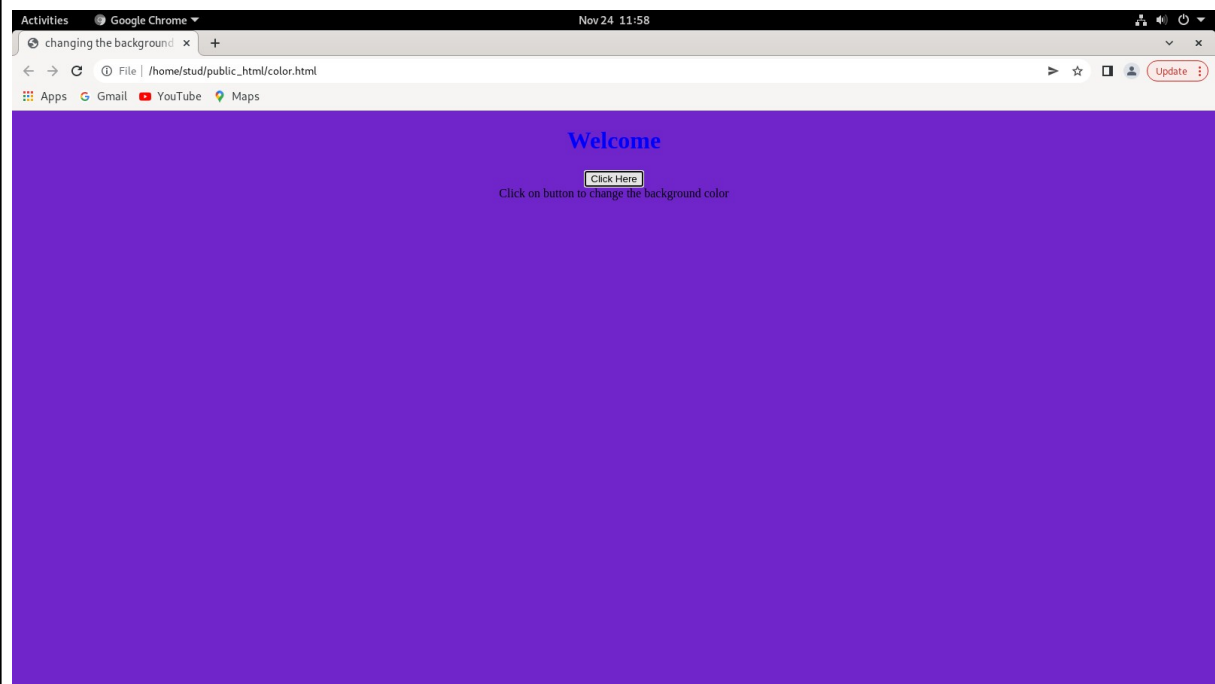
Program Code

```
<!DOCTYPE HTML>
<html>
<head>
<title>
changing the background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:blue;" >
Welcome
</h1>
<button type="button" id="color-button" onclick="changeBg()">Click Here
</button>
<br>
<script>
document.writeln( "Click on button to change the background color");
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFFFF<<0).toString(16);

pageBody.style.background = color;
}
</script>
</body>
</html>
```


Output





AIM

Compose Electricity bill from user input based on a given tariff using PHP.

Program Code

```
< html>
< head>
< title>Calculate Electricity Bill</ title>
< /head>
< ?php
$result_str = $result = "";
if (isset($_POST['unit-submit'])) {
    $units = $_POST['units'];
    if (!empty($units)) {
        $result = calculate_bill($units);
        $result_str = 'Total amount of ' . $units . ' - ' . $result;
    }
}

function calculate_bill($units) {
    $unit_cost_first = 4;
    $unit_cost_second = 5;
    $unit_cost_third = 6;

    if($units <= 100) {
        $bill = $units * $unit_cost_first;
    }
    else if($units > 100 && $units <= 200) {
        $temp = 100 * $unit_cost_first;
        $remaining_units = $units - 100;
        $bill = $temp + ($remaining_units * $unit_cost_second);
    }
    else {
        $temp = (100 * 4) + (100 * $unit_cost_second) + (100 * $unit_cost_third);
        $remaining_units = $units - 200;
        $bill = $temp + $remaining_units ;
    }
    return number_format((float)$bill, 2, '.', '');
}
```

?>

```
<body bgcolor="lavender">
```

```
<div id="page-wrap">
```

```
<h1>Php - Calculate Electricity Bill</h1>
```

```
<form action="" method="post" id="quiz-form">
```

```
<input type="number" name="units" id="units" placeholder="Please enter no. of Units" />
```

```
<input type="submit" name="unit-submit" id="unit-submit" value="Submit" />
```

```
</form>
```

```
<div>
```

```
<?php echo '<br />' . $result_str; ?>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Output

Php - Calculate Electricity Bill

Please enter no. of Units

Total amount of 400 - 1700.00

AIM

Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions.

Program Code

```
<html>
<head><title>Stud</title></head>
<body bgcolor="lavender">
<h1 align="center"><u>WELCOME</u></h1><br><br>
<h3>Enter the Values</h3><br><br>
<form action="sortt.php" method="post">
<table align="center">
<tr>
<th>Roll No</th>
<td><input type="number" name="r1"></td>
<th>Name</th>
<td><input type="text" name="n1"></td>
</tr>
<tr>
<th>Roll No</th>
<td><input type="number" name="r2"></td>
<th>Name</th>
<td><input type="text" name="n2"></td>
</tr>
<tr>
<th>Roll No</th>
<td><input type="number" name="r3"></td>
<th>Name</th>
<td><input type="text" name="n3"></td>
</tr>
```

```

<tr>
<th>Roll No</th>
<td><input type="number" name="r4"></td>
<th>Name</th>
<td><input type="text" name="n4"></td>
</tr>
<tr>
<th>Roll No</th>
<td><input type="number" name="r5"></td>
<th>Name</th>
<td><input type="text" name="n5"></td>
</tr>
<tr>
<th> </th>
<td><input type="submit" name="Submit" id="submit"></td>
</tr>
</body>
</html>

```

sortt.php

```

<?php
echo"The student names represented in array are<br><br>";
$r1=$_REQUEST["r1"];
$r2=$_REQUEST["r2"];
$r3=$_REQUEST["r3"];

$r4=$_REQUEST["r4"];
$r5=$_REQUEST["r5"];
$na1=$_REQUEST["n1"];
$na2=$_REQUEST["n2"];
$na3=$_REQUEST["n3"];

```

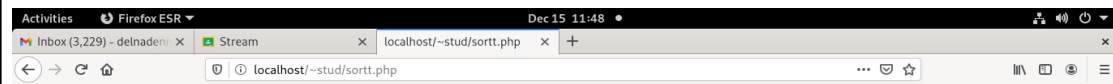
```
$na4=$_REQUEST["n4"];
$na5=$_REQUEST["n5"];
$arr=array("$rl1"=>"$na1","$rl2"=>"$na2","$rl3"=>"$na3","$rl4"=>"$na4","$rl5"=>"$na5")
;
print_r($arr);
echo"<br><br> The asorted array is:<br><br>";
asort($arr);
print_r($arr);
echo"<br><br> The arsorted array is:<br><br>";
arsort($arr);
print_r($arr);
?>
```

Output

WELCOME

Enter the Values

| | | | |
|----------------|--------------------------------|-------------|--------------------------------------|
| Roll No | <input type="text" value="1"/> | Name | <input type="text" value="delna"/> |
| Roll No | <input type="text" value="2"/> | Name | <input type="text" value="archana"/> |
| Roll No | <input type="text" value="3"/> | Name | <input type="text" value="devika"/> |
| Roll No | <input type="text" value="4"/> | Name | <input type="text" value="manu"/> |
| Roll No | <input type="text" value="5"/> | Name | <input type="text" value="flemin"/> |



The student names represented in array are

```
Array ( [1] => delna [2] => archana [3] => devika [4] => manu [5] => flemin )
```

The asorted array is:

```
Array ( [2] => archana [1] => delna [3] => devika [5] => flemin [4] => manu )
```

The arsorted array is:

```
Array ( [4] => manu [5] => flemin [3] => devika [1] => delna [2] => archana )
```