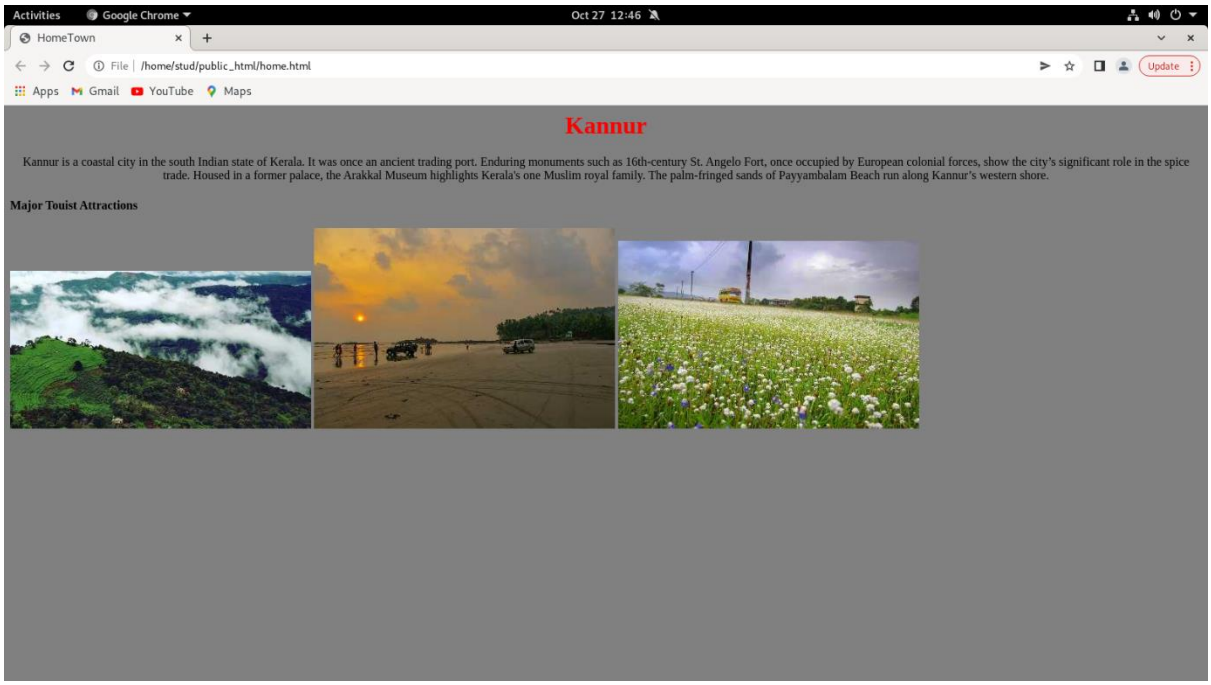
AIM

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

Program Code

```
<html>
<head>
<title>HomeTown</title>
<body bgcolor="grey">
<h1 align=center ><font color="red">Kannur</h1>
<p align=center><font color= "black">Kannur is a coastal city in the south Indian state of Kerala. It was once an ancient trading port. Enduring monuments such as 16th-century St. Angelo Fort, once occupied by European colonial forces, show the city’s significant role in the spice trade. Housed in a former palace, the Arakkal Museum highlights Kerala's one Muslim royal family. The palm-fringed sands of Payyambalam Beach run along Kannur’s western shore.</p>
<h4>Major Touist Attractions</h4>
<img src="https://www.holidify.com/images/cmsuploads/square/2palakkayam-thattu4.jpg.image.784.410_20180526203513.jpg" >
<img src="https://www.holidify.com/images/cmsuploads/square/Muzhappilangad_Drive-in_Beach_2_20180526213558.jpg">
<img
src="https://www.holidify.com/images/cmsuploads/square/Madayippara,_Kannur_by_Manoj_Karingamadathil_20180526201918.jpg">


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

Output


Activities
Google Chrome
Oct 27 12:46
HomeTown
File | /home/stud/public_html/home.html
Update
Apps
Gmail
YouTube
Maps
Kannur
Kannur is a coastal city in the south Indian state of Kerala. It was once an ancient trading port. Enduring monuments such as 16th-century St. Angelo Fort, once occupied by European colonial forces, show the city's significant role in the spice trade. Housed in a former palace, the Arakkal Museum highlights Kerala's one Muslim royal family. The palm-fringed sands of Payyambalam Beach run along Kannur's western shore.
Major Touist Attractions

AIM

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

Program Code

BIODATA

```
<html>
<head>
<title>Biodata</title>
</head>
<body bgcolor="grey">
<h1 align="center">BIODATA</h1>
<h3 align="center" >Amal</h3>
<img src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcSq05SMh5HprwoOoV0pM3JcU411XrNWrEST-
g&usqp=CAU.jpg" align="right">
<ul>
<li><a href="personal.html">personal information</a></li>
<li><a href="academic.html">Academic Details</a></li>
</ul>
</body>
</html>
```

PERSONAL INFORMATION

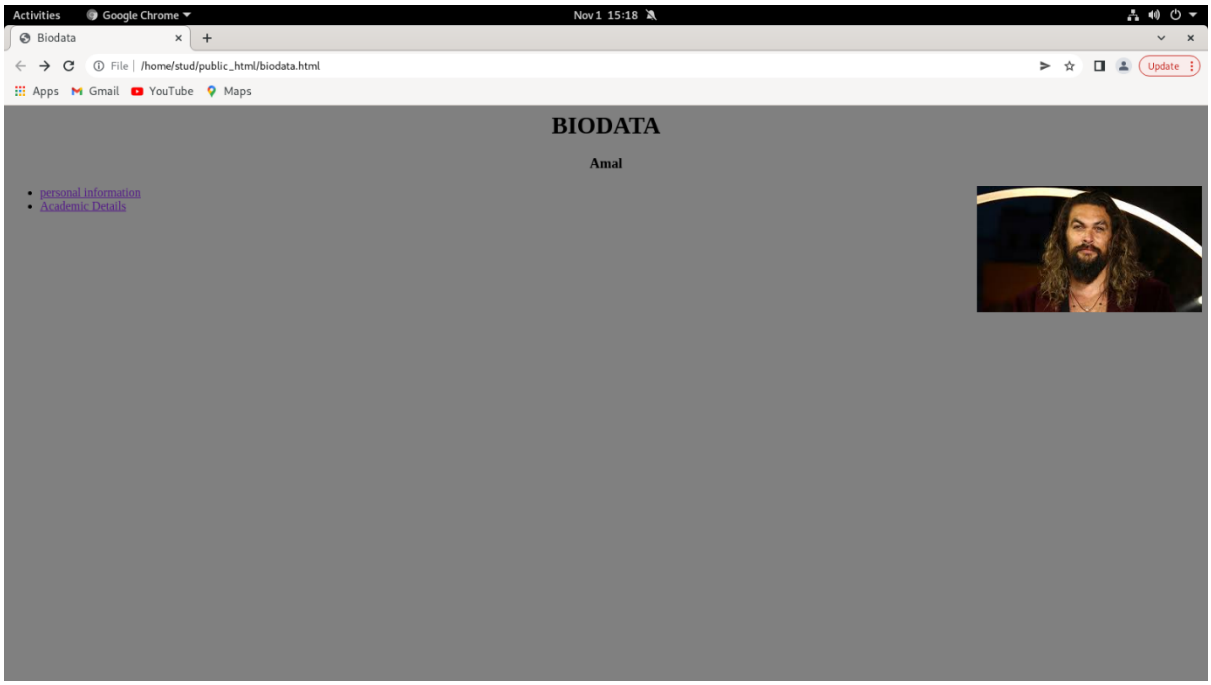
```
<html>
<head>
<title>PERSONAL INFORMATION</title>
</head>
<body bgcolor="grey">
<h1 align="center">BIODATA</h2>
<h2 align="center"> personal Details</h2>
<font size="4">
Name:Amal<br>
Gender:Male<br>
DOB:26/12/1999<br>
father's name:Anilkumar<br>
Mother's name:Smitha<br>
mail id:amalkumaranil1999@gmail.com<br>
Hobbies:Gaming,Reading
</body>
</html>
```

ACADEMIC DETAILS

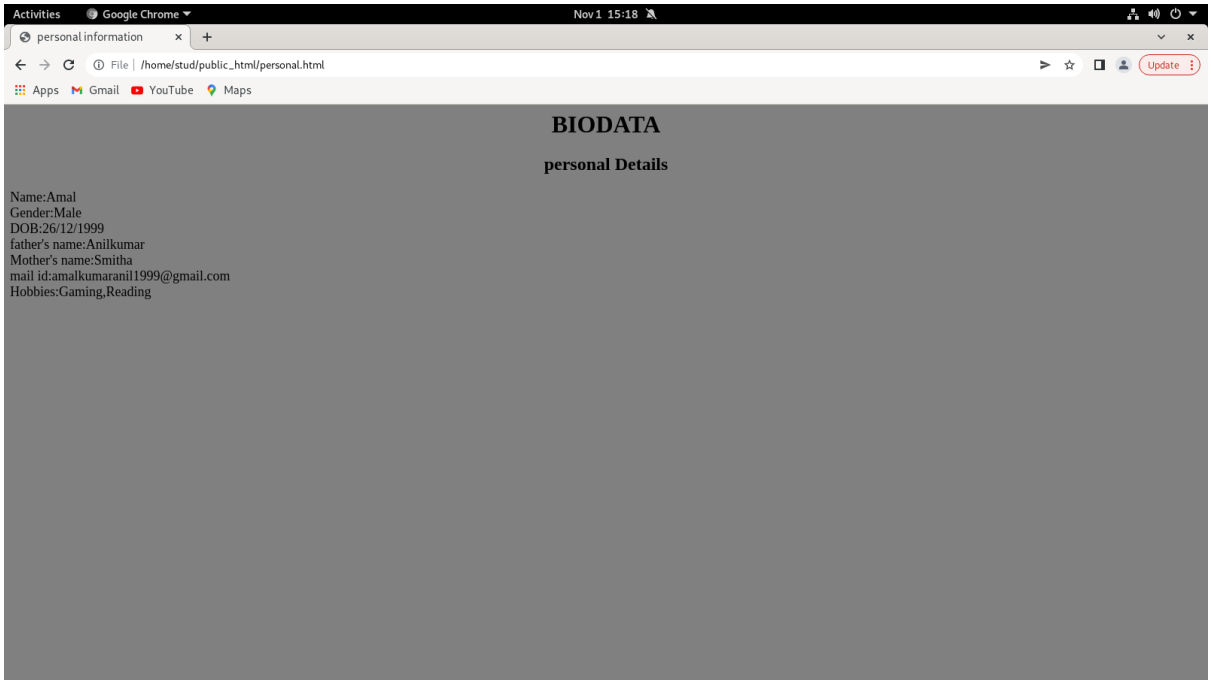
```
<html>
<head>
<title>ACADEMIC DETAILS </title>
</head>
<body bgcolor="grey">
<h1 align="center">Academic Details</h1>
<table border="" align="center">
        <tr>
        <th>Course</th>
        <th>Name of Institution</th>
        <th>University/Board</th>
        <th>Percentage of Marks</th>
        </tr>
        <tr>
        <td>SSLC</td>
        <td>MCPS</td>
        <td>CBSE</td>
        <td>83.6</td>
        </tr>
        <tr>
        <td>HSE</td>
        <td>GHSS Kottila</td>
        <td>Kerala State</td>
        <td>79.41</td>
        </tr>
        <tr>
        <td>Degree</td>
        <td>College Of Applied Science Neruvambram</td>
        <td>Kannur University</td>
        <td>66.38</td>
        </tr>

</body>
</html>
```

Output

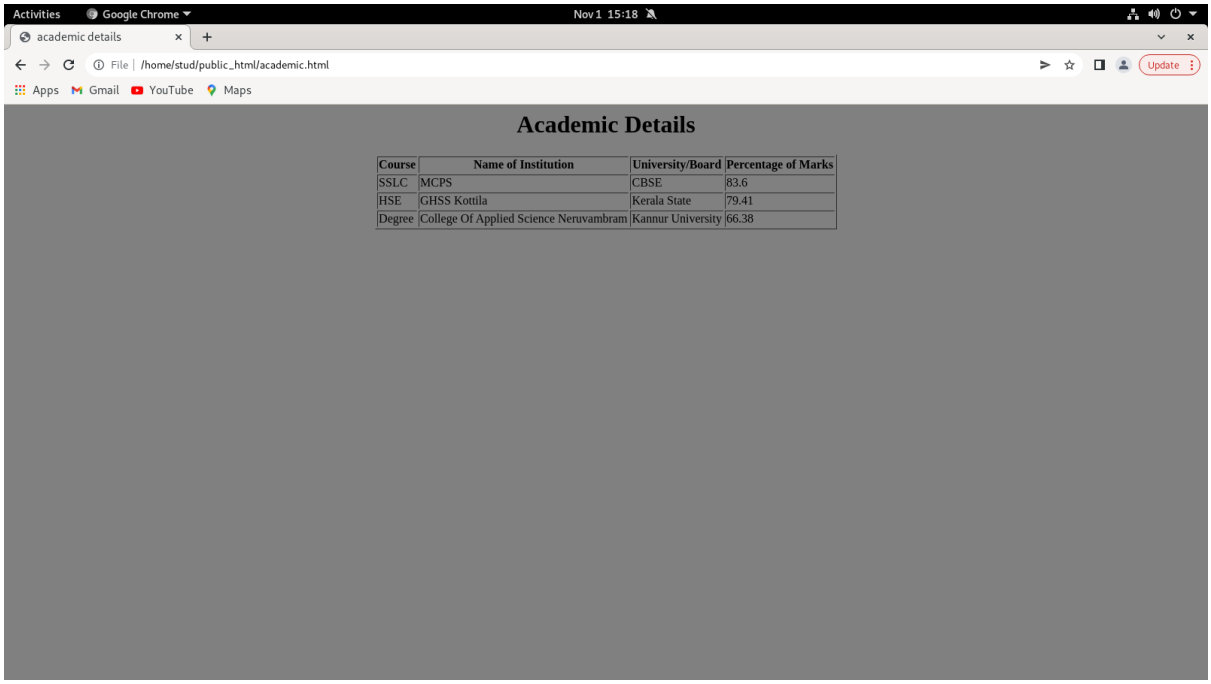
BIODATA



PERSONAL INFORMATION



ACADEMIC DETAILS



AIM

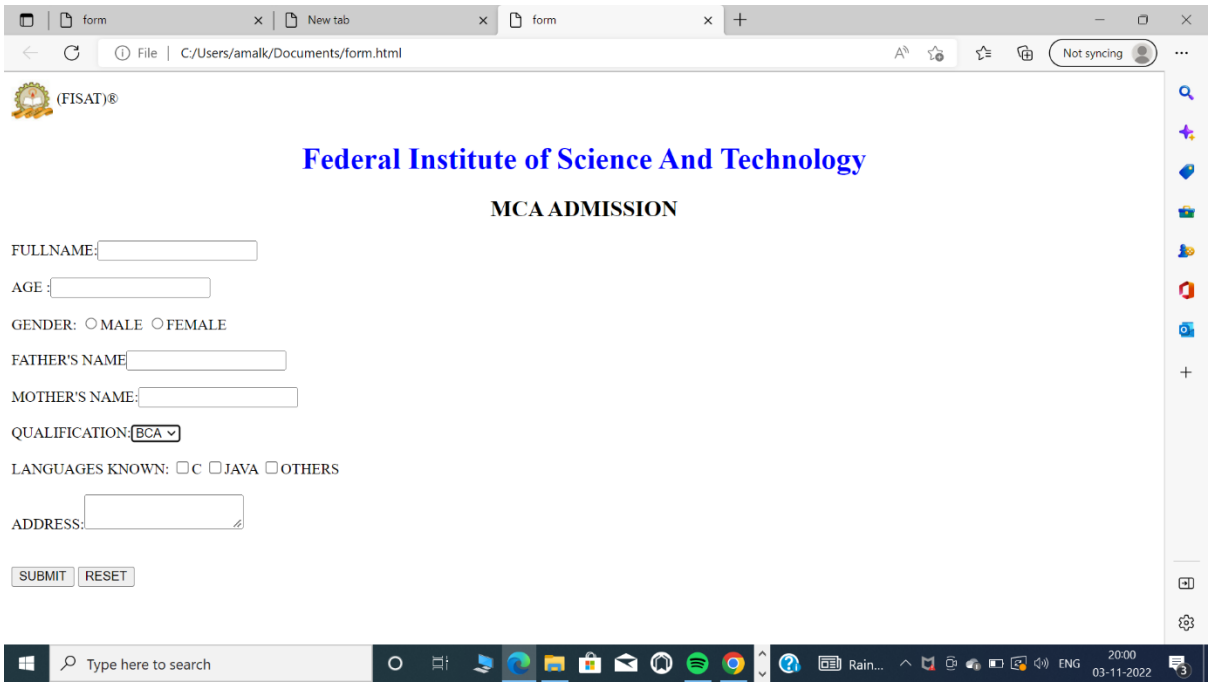
Design an application form for MCA course in FISAT using HTML.

Program Code

```
<html>
<head>
<title>form</title>
</head>
<body>
<img src=https://lh5.googleusercontent.com/-_KBolqodp6o/AAAAAAAAAAI/AAAAAAAAAAA/EL39CCtPGJA/s44-p-k-no-ns-nd/photo.jpg
align="center">
(FISAT)®
<h1 align="center"><font color="blue">Federal Institute of Science And Technology</font></h1>
<h2 align="center">MCA ADMISSION</h2>
<form>
FULLNAME:<input type="text"><br><br>
AGE :<input type="text"><br><br>
GENDER:
<input type="radio" value="male" name="gender">MALE
<input type="radio" value="female" name="gender">FEMALE<br><br>
FATHER'S NAME<input type="text"><br><br>
MOTHER'S NAME:<input type="text"><br><br>
QUALIFICATION:<select id="QL" name="Qualification">
   <option value="BCA">BCA</option>
   <option value="BSc">BSc</option>
</select><br><br>
LANGUAGES KNOWN:
<input type="checkbox"C>C
<input type="checkbox"C++>JAVA
<input type="checkbox"Others>OTHERS<br><br>
```

```
ADDRESS:<textarea name =" address"row="8" col="30"></textarea><br><br><br>

<input type="button" value="SUBMIT">
<input type="button" value="RESET">
</form>
</body>
</html>
```

Output



AIM

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

Program Code

Frameset

Frame 1

```
<html>
  <head>
    <title>HTML Frames</title>
  </head>

  <frameset cols = "30%,*">
    <frame name = "f2" src = "C:\Users\lenovo\Downloads\html/f2.html" />
    <frame name = "f3" src = "C:\Users\lenovo\Downloads\html/f3.html" />

    <noframes>
      <body>Your browser does not support frames.</body>
    </noframes>
  </frameset>

</html>
```

Frame 2

```
<html>
<head><title>FrameLeft</title></head>
<body><center>
<br><br><br><br><br><br><br><br>
<h1>Welcome!</h1>
<a href="f4.html" target="f3">Introduction</a><br>
<a href="f5.html" target="f3">Contents</a><br>
```

```
<a href="f6.html" target="f3">Description</a><br>
</center></body>
</html>
```

Frame 3

```
<html>
<head><title>Frameright</title></head>
<body><center>
<iframe src="C:\Users\lenovo\Downloads\html\f4.html" width="300" height="300">
</iframe>
<p align="bottom"><br><br><br><br><br><br><br><br><br><br><img src="logo.png"/></p>
</center></body>
</html>
```

Frame 4

```
<html>
<head><title>Frameright</title></head>
<body>
<p align="center"><br><br><br><img src="logo.png" align="center"/></p>
<p><br><br><br>FISAT Business School (FBS), established and managed by Federal Bank Officers Association Educational Society (FBOAES), is a Management Institution under the aegis of APJ Abdul Kalam Technological University and recognized by AICTE. FBOAES, formed with the aim of establishing a Center of Excellence for professional education, is an initiative of the Federal Bank Officers Association (FBOA), the sole representative body of the entire officers in The Federal Bank with 35 years of yeomen services to its credit. This is a novel venture from the Federal fraternity, which has operations spread over the entire span of the country and overseas as well.
</p>
</body>
</html>
```

Frame 5

```
<html>
<head><title>Frameright</title></head>
<body style="background-image:logo2.png">
<p align="center"><br><br><br><img src="logo.png" align="center"/></p>
```

```
<br><br><br>
<p>Try clicking on the text labels:</p>
<form name="mca" action="f6.html">
<input type="radio" name="MCA" id="MCA" />
<label for="MCA">MCA</label>
<br />
<input type="radio" name="MBA" id="MBA" />
<label for="MBA">MBA</label><br>
<input type="submit" value="submit"></br>
</p>
</body>
</html>
```

Frame 6

```
<html>
<head><title>Frameright</title></head>
<body>
<p align="center"><br><br><br><img src="logo.png" align="center"/></p>
```

<p>

The Federal Institute of Science and Technology (FISAT) is a self-financing private engineering college established and promoted by the Federal Bank Officers' Association Educational Society (FBOAES). The FBOAES is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of all Federal Bank officers. Federal Institute of Science and Technology (FISAT) occupies a unique position in South India's Professional Education Sector. FISAT has been designed and developed to become a "Centre of Excellence" in professional education, with the motto "Focus on Excellence." Established in 2002, the college has carved a niche for itself in the education sector, as evidenced by its students' outstanding performance in academics, placements, and extra-curricular and co-curricular activities. FISAT has launched an ambitious plan to improve the quality and value of education while also developing high-quality individuals. The institution is accredited by the National Assessment and Accreditation Council (NAAC) with an 'A' grade. The National Board of Accreditation (NBA) has accredited five B.Tech programmes. The institution is also ISO 9001:2015 certified. FISAT is located in Mookannoor, near Angamaly in Ernakulam District, Kerala, the birthplace of The Federal Bank Ltd. founder, Late K P Hormis, and the campus is named "Hormis Nagar" in his honour. FISAT is affiliated with APJ Abdul Kalam Technological University (KTU) and is approved by the All India Council for Technical Education (AICTE), New Delhi. FISAT offers seven B.Tech engineering programmes, an MBA programme (with specialisations in Finance, Marketing, Human Resource Management, Information System, Production & Operations Management, and International Business), an MCA programme, five M.Tech programmes and PhD programmes.

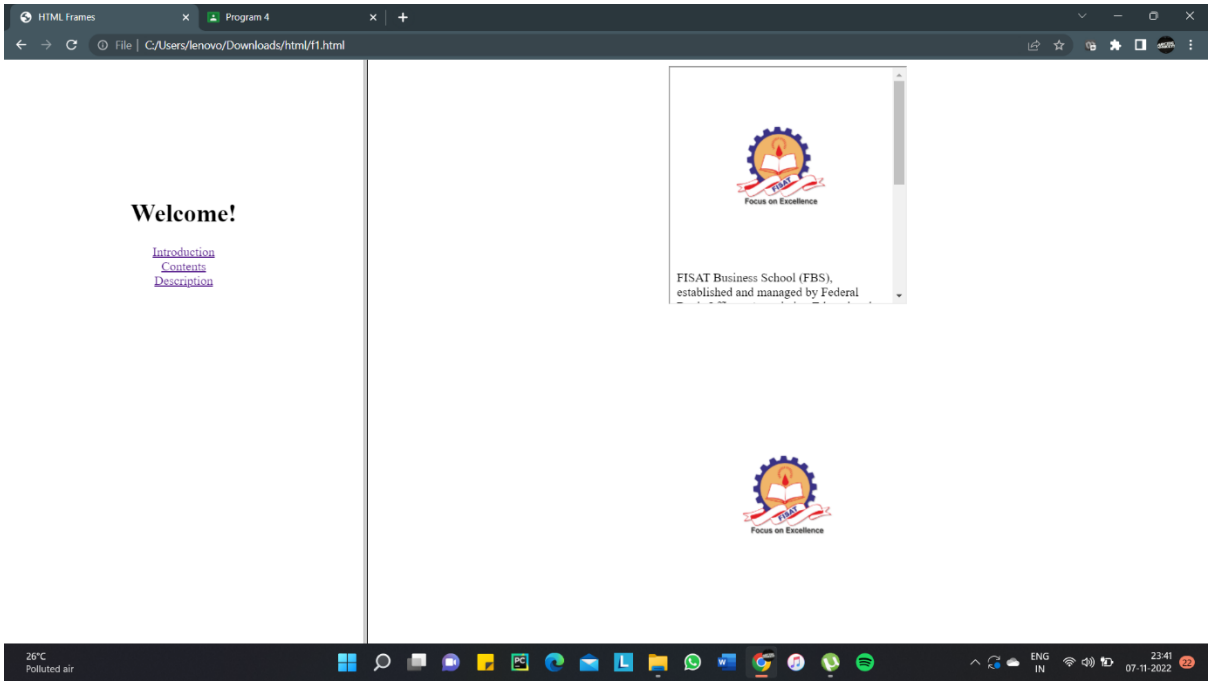
</p>

</body>

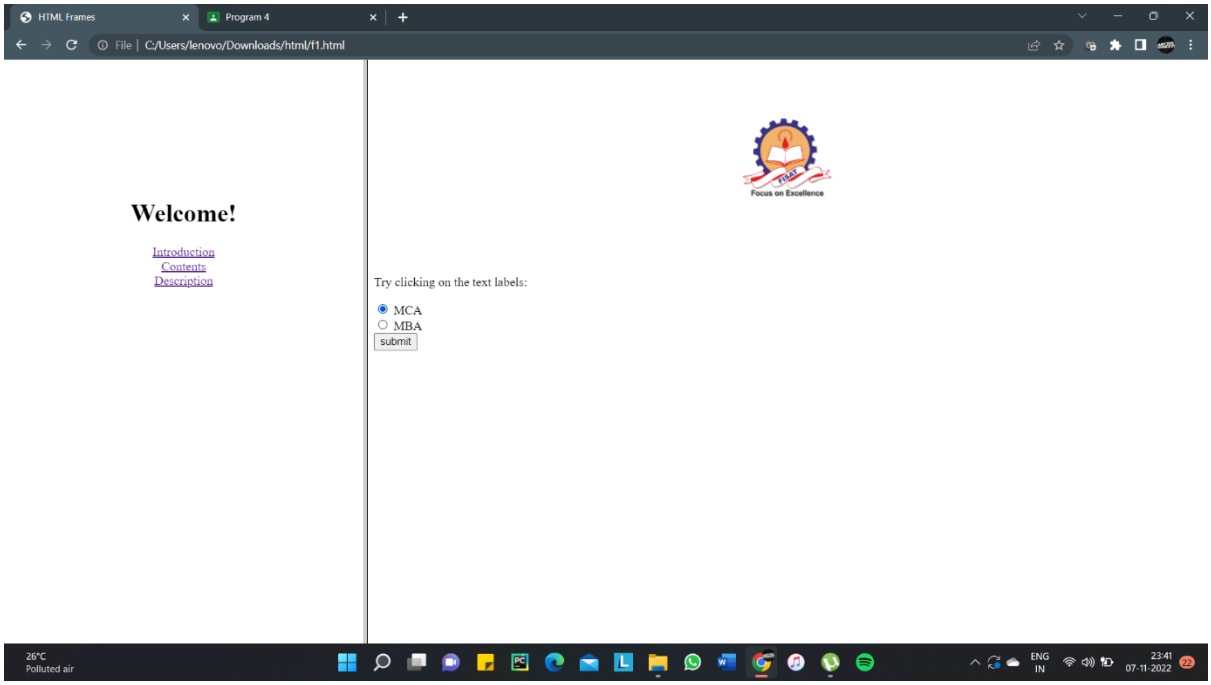
</html>

Output

FRAMELEFT



FRAMERIGHT



AIM

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

Program Code

Style.html

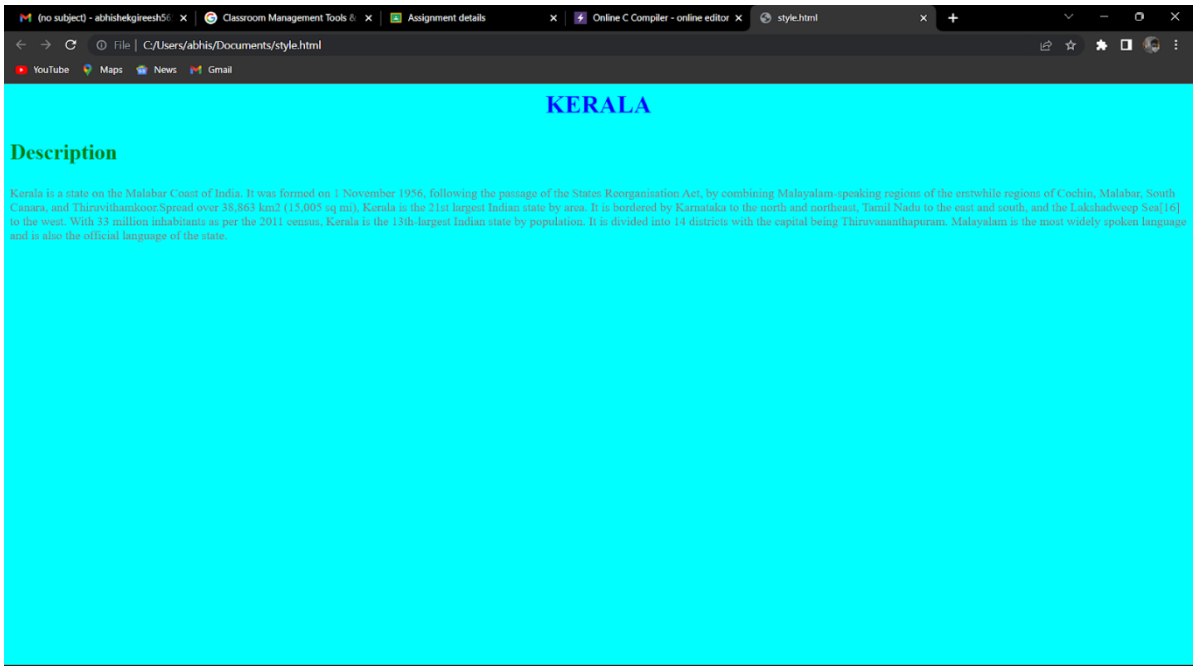
```
<html>
<head>
<link rel="StyleSheet" type="text/css" href="apply.css">
<style>
h3{
color:green;
font-size:28px;
font-family:"Times New Roman";
}
p{
color:grey;
font-family:"sans-serif";
}
</style>
</head>
<body>
<h1 align="center" style="color:blue;">KERALA</h1>
<h3>Description</h3>
<p>Kerala is a state on the Malabar Coast of India. It was formed on 1 November 1956, following the passage of the States Reorganisation Act, by combining Malayalam-speaking regions of the erstwhile regions of Cochin, Malabar, South Canara, and Thiruvithamkoor.Spread over 38,863 km2 (15,005 sq mi), Kerala is the 21st largest Indian state by area. It is bordered by Karnataka to the north and northeast, Tamil Nadu to the east and south, and the Lakshadweep Sea[16] to the west. With 33 million inhabitants as per the 2011 census, Kerala is the 13th-largest Indian state by population. It is divided into 14 districts with the capital being Thiruvananthapuram. Malayalam is the most widely spoken language and is also the official language of the state.
```

```
</p>
</body>
</html>
```

Apply.css

```
body{

background-color : cyan;

}

h3{

color:green;

}
```

OUTPUT



AIM

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

Program Code

validation

```
<html>
<head>
<title>VALIDATION</title>
<script>
function validateForm() {
var x= document.forms["myForm"]["fname"].value;
var g = document.forms["myForm"]["gender"].value;
var y = document.forms["myForm"]["email"].value;
var z = document.forms["myForm"]["phone"].value;
var a = document.forms["myForm"]["address"].value;
if (x == "") {
alert("Name must be filled out");
return false;
}
if (g== "") {
alert("gender must be filled out");
return false;
}

if (y == "") {
alert("email must be filled out");
return false;
}
```

```
if (z== "") {
alert("phone must be filled out");
return false;
}

if (a== "") {
alert("address must be filled out");
return false;
}



if (isNaN(z)) {
document.getElementById("numberText").innerHTML = "Please enter Numeric value";
return false; }
}
</script>
</head>
<center>
<body bgcolor="powderblue">
<h1 align="center"><u>VALIDATION FORM</u></h1><br><br><br>
<form name="myForm" action="sub.html"
onsubmit="return validateForm()" method="post">
Name:<input type="text" name="fname"><br><br>
gender:<input type="radio" name="gender" value="male">male
<input type="radio" name="gender" value="female">female<br><br>
email:<input type="text" name="email"><br><br>
phone:<input type="text" name="phone"><br><br>
address:<textarea rows="4" cols="40" name="address"></textarea><br><br>

<span id="numberText"></span> <br />
<input type="submit" value="Submit">
</form>
</body>
```

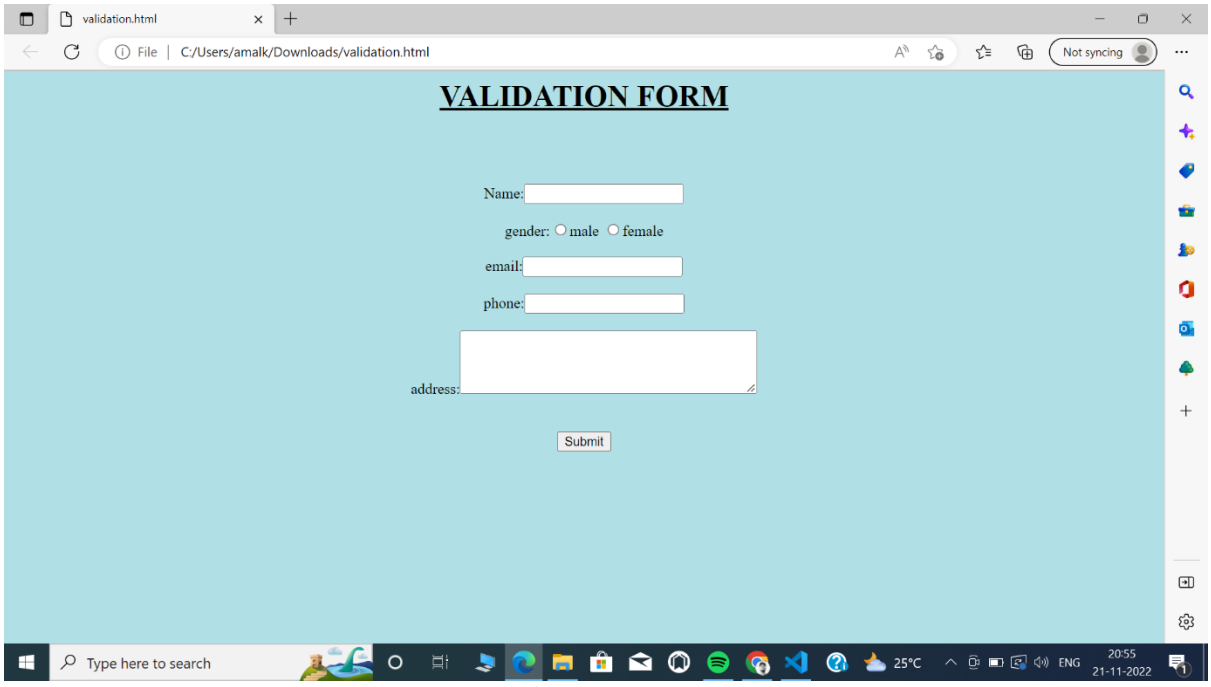
```
</html>
```

submit

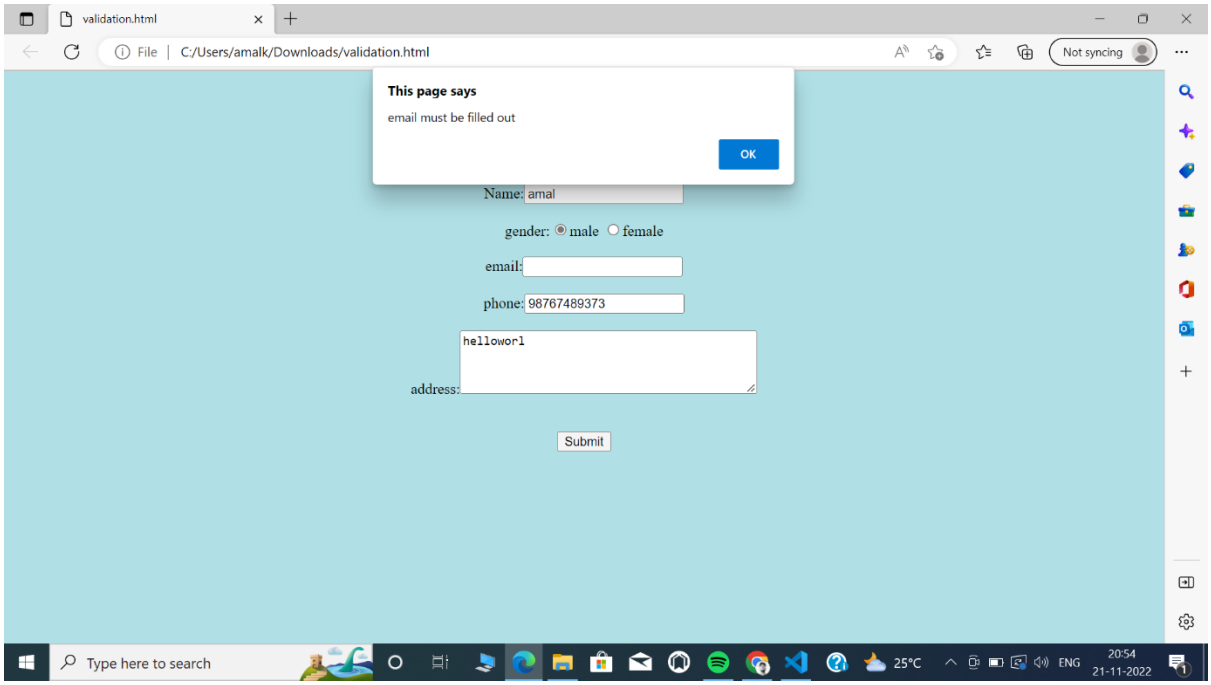
```
<html>
<head>
<title>SUBMIT</title>

</html>
<body bgcolor="powderblue">
<h3 align="center">successfully completed the form</h3>
</body>
</html>
```

OUTPUT

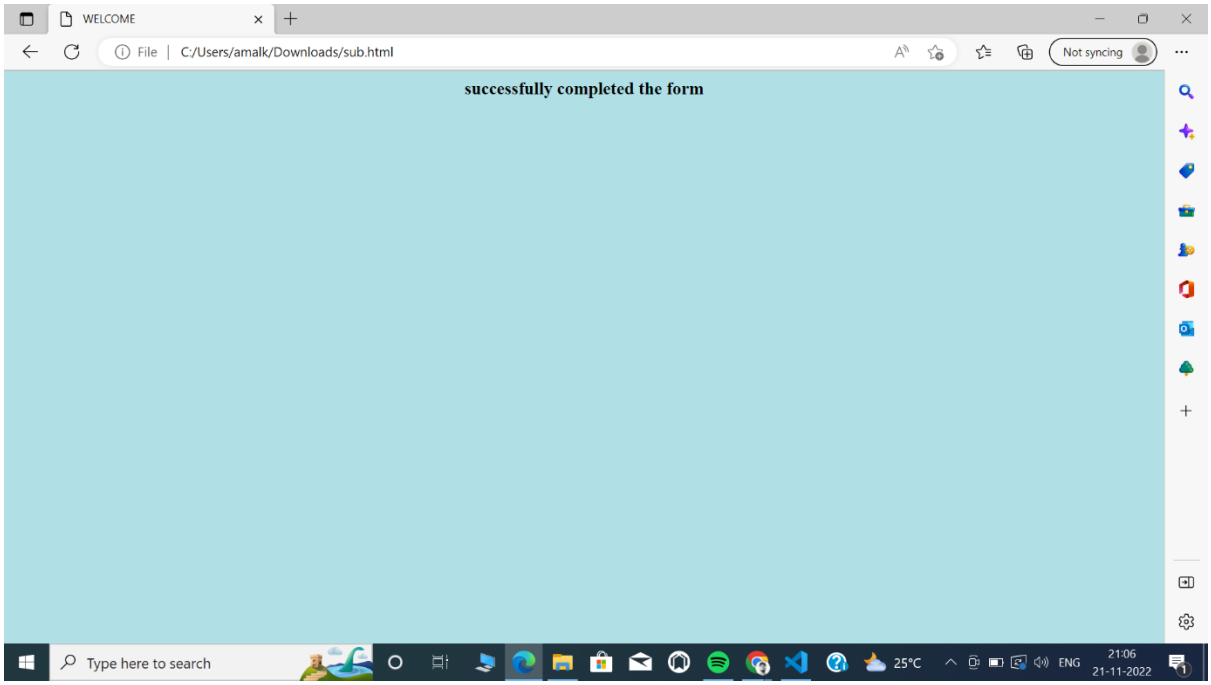
VALIDATION FORM



VALIDATION



SUBMIT



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>STRINGMATH</title>
<style>
.myDiv {
  width: 500px;
  height: 700px;
  position: absolute;
  top: 5%;
  left: 15%;
  background-color: powderblue;
  text-align: center;
  border-style: groove;
  border-color: #92a8d1;
}
.myDiv1 {
  width: 500px;
  height: 1000px;
  position: absolute;
  top: 5%;
  left: 50%;
  background-color:powderblue;
  text-align: center;
  border-style: groove;
  border-color: #92a8d1;
}
</style>
</head>
<body>
<div class="myDiv">
<br><br><h2><u>STRING  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>
```

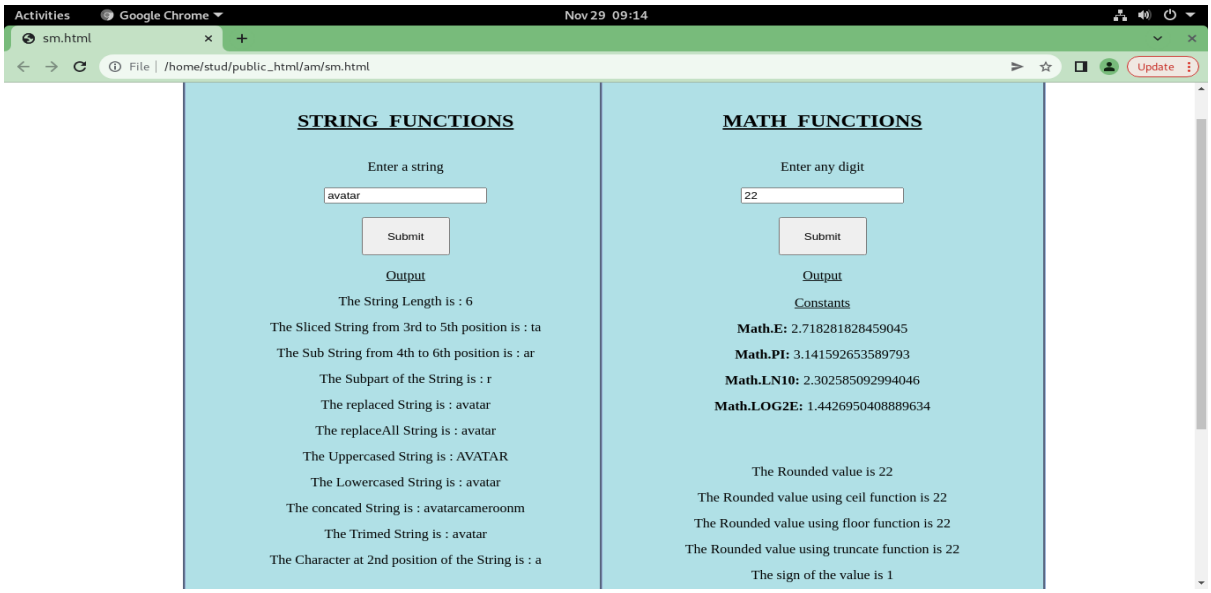
```
<u>Output</u><br>
<p id="text2">
</p>
<p id="text3">
</p>
<p id="text4">
</p>
<p id="text5">
</p>
<p id="text6">
</p>
<p id="text7">
</p>
<p id="text8">
</p>
<p id="text9">
</p>
<p id="text10">
</p>
<p id="text11">
</p>
<p id="text12">
</p>
</div>
<div class="myDiv1">
<br><br><h2><u>MATH  FUNCTIONS</u></h2><br>
Enter any digit<br><br><input type="number" id="qu" name="quantity">
<br><br>
<button type="submit" style="height:50px; width:100px" value="Submit"
onclick="MathForm()">Submit</button>
<br><br>
<u>Output</u><br><br>
<u>Constants</u><br>
<p id="texta">
</p>
<br><br>
<p id="textb">
</p>
<p id="textc">
</p>
<p id="textd">
</p>
<p id="texte">
</p>
<p id="textf">
</p>
<p id="textg">
</p>
<p id="texth">
</p>
```

```
<p id="texti">
</p>
<p id="textj">
</p>
<p id="textk">
</p>
<p id="textl">
</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 sub = text.substring(4,6);
let subs = text.substr(-1);
let re = text.replace("amal","madeira");
let rep = text.replaceAll("m","M");
let up = text.toUpperCase();
let lo = text.toLowerCase();
let co = text.concat("","cameroonm");
let tr = text.trim();
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("text4").innerHTML = "The Sub String from 4th to 6th position is
: " + sub;
document.getElementById("text5").innerHTML = "The Subpart of the String is : " + subs;
document.getElementById("text6").innerHTML = "The replaced String is : " + re;
document.getElementById("text7").innerHTML = "The replaceAll String is : " + rep;
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("text11").innerHTML = "The Trimed String is : " + tr;
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 ce = Math.ceil(text);
let fl = Math.floor(text);
let tu = Math.trunc(text);
let si = Math.sign(text);
let po = Math.pow(text,2);
```

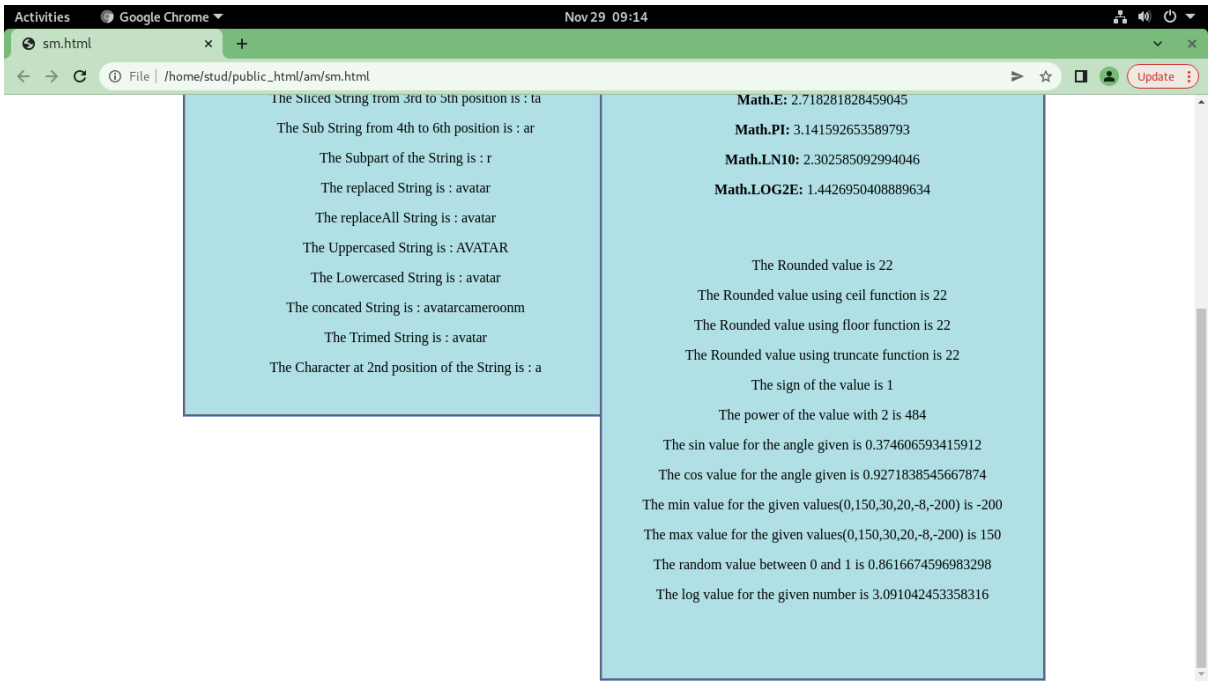
```
let sq = Math.sqrt(text);
let ab = Math.abs(text);
let sin = Math.sin(text * Math.PI / 180);
let cos = Math.cos(text * Math.PI / 180);
let min = Math.min(0, 150, 30, 20, -8, -200);
let max = Math.max(0, 150, 30, 20, -8, -200);
let ra = Math.random();
let l = Math.log(text);
document.getElementById("texta").innerHTML = "<p><b>Math.E:</b> " + Math.E +
"</p>" +
"<p><b>Math.PI:</b> " + Math.PI + "</p>" +
"<p><b>Math.LN10:</b> " + Math.LN10 + "</p>" +
"<p><b>Math.LOG2E:</b> " + Math.LOG2E + "</p>"
document.getElementById("textb").innerHTML = "The Rounded value is " + ro;
document.getElementById("textc").innerHTML = "The Rounded value using ceil function is
" + ce;
document.getElementById("textd").innerHTML = "The Rounded value using floor function
is " + fl;
document.getElementById("texte").innerHTML = "The Rounded value using truncate
function is " + tu;
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("texth").innerHTML = "The sin value for the angle given is " +
sin;
document.getElementById("texti").innerHTML = "The cos value for the angle given is " +
cos;
document.getElementById("textj").innerHTML = "The min value for the given
values(0,150,30,20,-8,-200) is " + min;
document.getElementById("textk").innerHTML = "The max value for the given
values(0,150,30,20,-8,-200) is " + max;
document.getElementById("textl").innerHTML = "The random value between 0 and 1 is " +
ra;
document.getElementById("textm").innerHTML = "The log value for the given number is "
+ l;
return true;
}
</script>
</html>
```

OUTPUT

STRINGMATH



STRINGMATH



AIM

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

Program Code

```
<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( "Tap the button to change the background color");
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFF<<0).toString(16);

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

OUTPUT

CHANGE THE BACKGROUND COLOR