

Muthoot Institute of Technology and Science
Varikoli P.O, Puthencruz,
Ernakulam – 682308



Master of Computer Applications

LAB RECORD

Course Name: 20MCA133 WEB PROGRAMMING LAB

NAME.....

REG. NO..... SEMESTER.....

MONTH & YEAR.....

Lab Cycle 1

CO1: Explore markup languages features and create interactive web pages using them.

Program # 1

1.Create a simple web application to display your Resume (CV) using various text formatting features, table, list and link within a page in HTML.

PROGRAM CODE:

Cv1.html

```
<html>
<head>
<title>MY CV</title>
</head>
<body>
<h1><center>Meenakshy Prakash</center></h1>
<p><center>Kattachirayil(H),Mulakkulam(S)<br>
9188007931<br>
meenakshyprakash003@gmail.com<br></center></p>

<h1>PROFESSIONAL SUMMARY</h1>
<p>I am currently pursuing postgraduation in MCA and I would like to develop my career in<br>
software development.</p>
<h1>EDUCATIONAL QUALIFICATION</h1>
<table border=1>
<tr>
<th>Institution studied</th>
<th>CGPA</th>
<th>Affiliation</th>
<th>Year</th>
</tr>
<tr>
```

```
<td>Ettumanoorappan college</td>
<td>87</td>
<td>MGU</td>
<td>2020-2023</td>
</tr>
```

```
<tr>
```

```
<td>Bappuji Central school</td>
<td>75</td>
<td>CBSE</td>
<td>2018-19</td>
```

```
</tr>
```

```
<tr>
```

```
<td>Bappuji Central school</td>
<td>98</td>
<td>CBSE</td>
<td>2017-18</td>
```

```
</tr>
```

```
</table>
```

```
<h1>SKILLS</h1>
<p>PHP<br>
HTML<br>
CSS<br>
python<br>
C<br></p>
<h1>ACHIEVEMENTS & CERTIFICATES</h1>
<ol><br>
<li>Secured Guiness Record for largest mohiniyattam <br>
conducted in Thrissur</li>
```

```
<li>Certificate of completing Diploma in Data Entry with Distinction</li>
<li>Certificate of MOOC course on Organic Farming</li>
</ol><br>
<h1>QUALITIES</h1>
<ul><br>
<li>Hardworking</li>
<li>Good Communication</li>
<li>Honest</li>
<li>Innovative</li>
</ul><br>
<a href="Page2.html">Visit page</a><br>
<a href="#top">top</a>
</body>
</html>
```

Page2.html

```
<html>
<body>
<h1>HOBBIES</h1>
<ul>
<li>Reading</li>
<li>Gardening</li>
<li>Listening Music</li>
</ul>
<h1>DECLARATION</h1>
<p>I hereby declare that above provided information is true to my knowledge.</p>
<a href="cv1.html">Details</a>
</body>
</html>
```

OUTPUT:



PROFESSIONAL SUMMARY

I am currently pursuing postgraduation in MCA and I would like to develop my career in software development.



EDUCATIONAL QUALIFICATION

Institution studied	CGPA	Affiliation	Year
Ettumanoorappan college	87	MGU	2020-2023
Bappuji Central school	75	CBSE	2018-19
Bappuji Central school	98	CBSE	2017-18

SKILLS

PHP
HTML
CSS
python
C

ACHIEVEMENTS & CERTIFICATES

1. Secured Guiness Record for largest mohiniyattam conducted in Thrissur
2. Certificate of completing Diploma in Data Entry with Distinction
2. *Certificate of MOOC course on Oracle Database*

20MCA133 Web Programming Lab Record

1. Secured Guiness Record for largest mohiniyattam conducted in Thrissur
2. Certificate of completing Diploma in Data Entry with Distinction
3. Certificate of MOOC course on Organic Farming

QUALITIES

- Hardworking
- Good Communication
- Honest
- Innovative
-

[Visit page](#)

[top](#)



HOBBIES

- Reading
- Gardening
- Listening Music

DECLARATION

I hereby declare that above provided information is true to my knowledge.

[Details](#)

Program # 2

2.Design a Student Registration Page and the college brochure side by side on the same page employing the concept of frames. The registration page should contain various types of form elements

PROGRAM CODE:

main.html

```
<html>
<head></head>
<frameset cols="45%,55%">
<frame src="frame1.html"></frame>
<frame src="frame2.html"></frame>
</frameset>
</html>
```

Frame1.html

```
<html>
<head>
</head>
<body>
<form>
<h1><center>MITS REGISTRATION FORM</center></h1>
FirstName:<input type="text" name="name"/>
<br>
LastName:<input type="text" name="name"/>
<br>
Email:<input type="text" name="email"/>
<br>
Gender:<br>
<input type="radio" name="Gender" value="on">Male
<br>
<input type="radio" name="Gender" value="on">Female<br>
Contact:<input type="number" name="number"/>
<br>
DOB:<input type="number" name="dateofbirth"/>
<br>
Address:<br> <textarea rows="5" cols="20" name=Address">
```

```
</textarea><br>
Father's Name:<input type="text" name="name"/>
<br>
Mother's name:<input type="text" name="name"/>
<br>
University:<input type="text" name="name"/>
<br>
CGPA:<input type="number" name="marks"/>
<br>
Branch:<br><input type="radio" name="Branch" value="on">BCA
<br>
<input type="radio" name="Branch" value="on">B.Tech CS
<br>
<input type="radio" name="Branch" value="on">B.TEch AI
<br>
<input type="radio" name="Branch" value="on">B.Tech Mech
<br>
Backlogs:<br>
<input type="radio" name="Backlogs" value="on">YES
<br>
<input type="radio" name="Backlogs" value="on">NO
<br>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

Frame2.html

```
<html>
<head>

<br>
<center>COLLEGE CODE : MUT
```

Affiliated to

APJ Abdul Kalam Technological University
Approved by AICTE

info@mgits.ac.in |

0484-2883300/0484-2732100/111

Relentless passion for excellence...</center>


```
<style>
.center {
    display: block;
    margin-left: auto;
```

```
margin-right: auto;
width: 50%;
}
.myDiv {
height: 50px;
border: 2px outset white;
background-color: red;
text-align: center;
}
.learnmore {
width:200px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}
.vm {
width:300px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}
.gallery{
width:250px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}
.dept{
width:600px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}
.rec{
width:600px;
padding: 2px;
border: 2px outset white;
background-color: red;
```

```
text-align: center;
box-sizing: border-box;
}
```

```
}
```

```
</style>
```

```
</head>
```

```
</body>
```

```
<div class="myDiv">
```

```
    <h2>ABOUT</h2>
```

```
    <div>
```

```
        </div>
```

```
</div>
```

```
<br>
```


Muthoot Institute of Technology and Science (MITS) is promoted by Muthoot M. George Institute of Technology ,a Section 25 Company within the Muthoot Group. MITS is a self financing technical institution offering postgraduate and undergraduate engineering programmes, situated in the industrial suburb of Kochi, close to the Smart City and Info Park, approximately 15 kms from Vytilla Junction towards Muvattupuzha on the Cochin Madurai National Highway.

The promoters with their commanding presence in the domains of Financial Services, Hospitality, Healthcare, Renewable Energy and Information Technology, are committed to building MITS as a centre of excellence, focusing purely on merit. This “temple of learning” will provide to the students, state-of-the-art infrastructure, highly qualified and proficient teachers from various faculty of engineering and allied streams, embedded in a conducive environment where focus will be on their harmonious development.


```
<br>
```

```
<br>
```

```
<div class="learnmore">
```

```
    <h2>LEARN MORE</h2>
```

```
</div>
```

```
<div class="vm">
```

```
    <h2>VISION & MISSION</h2>
```

```
</div>
```

```
<p>To be a centre of excellence for learning and research in engineering and technology, producing intellectually<br>
```

well-equipped and socially committed citizens possessing an ethical value system.</p>
Offer well-balanced programme of instruction, practical exercise and
opportunities in technology.Foster innovation and ideation of technological solutions
on sustainable basis.Nurture a value system in students and engender in them
a spirit of inquiry.<div class="gallery"><h2>GALLERY</h2></div>

<div class="dept"><h2>PROGRAMMES OFFERED</h2></div>
<dd><dt>BTech .COMPUTER SCIENCE</dt><dd>Annual intake:60</dd>
<dt>BTech .ARTificial Intelligence</dt><dd>Annual intake:60</dd>
<dt>BTech .MECH</dt><dd>Annual intake:60</dd>
<dt>MCA</dt><dd>Annual intake:60</dd><dd></div>
<div class="rec"><h2>OUR MAJOR RECRUITERS</h2></div>

Output

MITS REGISTRATION FORM

FirstName: Meenakshy
LastName: Prakash
Email: 23mca30@migits.ac.in
Gender:
○ Male
● Female
Contact: 9188007931
DOB: 13-03-2001
Address:
Kattachiravil,
mulakkulam,kottayam

Father's Name: Prakash
Mother's name: Smitha
University: MGU
CGPA: 87
Branch:
● BCA
○ B.Tech CS
○ B.Tech AI
○ B.Tech Mech
Backlogs:
○ YES
● NO
Submit

Muthoot Institute of Technology & Science
COLLEGE CODE : MUT Affiliated to APJ Abdul Kalam Technological University Approved by AICTE info@migits.ac.in | 0484-2883300/0484-2732100/111 Relentless passion for excellence...

ABOUT

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LEARN MORE

VISION & MISSION

To be a centre of excellence for learning and research in engineering and technology, producing intellectually well-equipped and socially committed citizens possessing an ethical value system.

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○ B.Tech Mech
Backlogs:
○ YES
● NO
Submit

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- Offer well-balanced programme of instruction, practical exercise and opportunities in technology.
- Foster innovation and ideation of technological solutions on sustainable basis.
- Nurture a value system in students and engender in them a spirit of inquiry.

GALLERY

main.html frame1.html

File | C:/Users/MI/Desktop/Webs1/main.html

Gmail YouTube Maps

MITS REGISTRATION FORM

FirstName: Meenakshy
LastName: Prakash
Email: 23mca30@mgits.ac.in
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 Male
 Female
Contact: 9188007931
DOB: 13-03-2001
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Kattachiravil,
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Mother's name: Smitha
University: MGU
CGPA: 87
Branch:
 BCA
 B.Tech CS
 B.Tech AI
 B.Tech Mech
Backlogs:
 YES
 NO
Submit



PROGRAMMES OFFERED

BTech .COMPUTER SCIENCE
Annual intake:60

BTech .ARtificial Intelligence
Annual intake:60

BTech .MECH
Annual intake:60

MCA
Annual intake:60

OUR MAJOR RECRUITERS



Program # 3

3.Create a web page showcasing the attractions and highlights of your hometown using Html, and External, Internal, and inline CSS. In the webpage the following elements should be included a. Html text formatting tags. b. Links to external web site pages for further references .

PROGRAM CODE:

Piravom.html

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

</head>
<style>
    body {
        background-color: linen;
    }

    item {
        color: maroon;
        margin-left: 40px;
    }
</style>
</head>
<body>

    <h1 style="color:blue;text-align:center;">PIRAVOM</h1><br>
    <p style="color:black;text-align: right;"><strong>COORDINATES 9°51'0"N  

    76°30'0"E</strong>

</head>
<style>

    .center {
        padding: 2px;
        display: block;
        margin-left: auto;
        margin-right: auto;
        width: 20%;
    }
    .Piravom{
```

```
width:200px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}
.item,item2 {
    width: 350px;
    font-weight: bold;
    border: 2px outset black;
    height: 500px;
    background-color: white;
    float: right;
    margin-left: 20px;
    margin-bottom: 250px;
}
```

.HISTORY

```
{
    width: 135px;
    height:80px;
    padding: 2px;
    border: 2px outset white;
    background-color: red;
    text-align: center;
    box-sizing: border-box;
}
```

```
.places
{
    width: 205px;
    height:80px;
    padding: 2px;
    border: 2px outset white;
    background-color: red;
    text-align: center;
    box-sizing: border-box;
```

```
}
```

```
.edu
{
    width: 205px;
    height:80px;
    padding: 2px;
    border: 2px outset white;
```

```

background-color: red;
text-align: center;
box-sizing: border-box;
}
.politics
{
width: 135px;
height:80px;
padding: 2px;
border: 2px outset white;
background-color: red;
text-align: center;
box-sizing: border-box;
}

</style>
</head>
<body>
<div class="Piravom">
<h2>OVERVIEW</h2>
</div><br>

<div class="item">
<div class="item2">

<h1><center>PIRAVOM MUNCIPALITY</center></h1><br>

<br>
</div>
<ul>
<li>Country : India</li>
<li>State :Kerala</li>
<li>District :Ernakulam</li>
<li>City UA :Kochi</li>
</ul><br>

<br>
</div>
<br>
Piravom is a municipality in Ernakulam district and a suburb of Kochi in the Indian state of Kerala. It is located with<br>
in 31 km southeast of Kochi city center, at the boundary of the Ernakulam and Kottayam districts. Piravom is famous for<br>
its Hindu temples and Christian churches. Piravom has a river-front, verdant hills, and paddy fields.<br>


```

```
<div class="HISTORY">
<h2>HISTORY</h2>
</div>
<br>
Piravom was owned by the Vadakkumkoor Kingdom until it was captured by Travancore
kingdom, and is now part of the Indian <br>
state of Kerala.Piravom was reverted to panchayat status in 1992 after two years as a
municipality because of skepticism that<br>
its classification <br>as a municipality would attract higher tax rates and building regulation.
However, as modern municipal <br>
councils now have the authorityto fix the tax rate and new building rule provisions are now
applicable to <br>special grade panchayats, the economic
incentive for Piravom remaining<br> a panchayat has disappeared.
```

The Kerala state government and the GCDA have plans to incorporate Angamaly,
Perumbavoor, Piravom
 and Kolenchery in Ernakulam district,
Mala and Kodungallur in Thrissur district, Thalayolaparambu and Vaikom in Kottayam, and
Cherthala in Alappuzha
district into the
jurisdiction of the Kochi metropolis.
The newly formed metropolis would be put under
the charge of a new authority called

the Kochi Metropolitan Regional Development Authority.


```
<br>
<div class="places">
<h2>PLACES OF INTEREST</h2>
</div>
<br>
<ul>
<li>Pazhoor Padippura is an astrology center linked to Pazhoor Perumthrikkovil located in
Piravom is referred <br>
in the Aithihyamala by Kottarathil Sankunni.</li>
<li>Pazhoor Perumthrikkovil is a temple of Shiva of Hindu tradition located at the town of
Piravom. The temple is <br>
believed to be nearly 1,800 years old Pazhoor Perumthrikkovil is also mentioned in
Aithihyamala.</li>
<li>Piravom Valiya Pally is one of the oldest churches in Kerala. It stands on a hilltop on the
<br> eastern bank of the Muvattupuzha River.</li>
```



```

<div class="edu">
<h2>EDUCATIONAL INSTITUTIONS</h2>
</div>
<br>
<ul>
<li>Government Higher Secondary School, Piravom</li>
<li>Government Higher Secondary School, Namakuzhy</li>
<li>M.K.M.H.S.S., Piravom</li>
<li>Fatima Matha Central School</li>
<li>St. Joseph's Higher Secondary School</li>
<li>Holy Kings Public school Piravom</li>
<li>BPC College Piravom</li>
<li>MSM ITI, Piravom</li>
<li>Vivekananda Public School</li>
<li>Toc H Public School</li>
<li>Chinmaya Vishwavidyapeeth, a deemed university under the de novo category,
Peppathy</li>
<li>Naipunnya St. Michael's Public School, Veliyanad.</li>
</ul>
<div class="politics">
<h2>POLITICS</h2>
</div>
<br>
<p>Piravom Assembly Constituency has been incorporated into Kottayam Lok Sabha  

Constituency, led by Thomas Chazhikadan, <br>as a part of the  

delimitation of parliament seats in India. The assembly was previously part of Muvattupuzha  

Lok Sabha Constituency<br>.Anoop Jacob is the MLA  

of Piravom assembly constituency.LDF is the ruling front in Piravom municipality.  

Eliyamma Philip is the Municipal Chairperson of Piravom <br>  

Municipality, and K.P Salim former panchayat president of Piravom and M.G. University  

Senator is the Vice Chairman. Piravom assembly<br>  

constituency came into being in 1977. Before that Piravom Municipality was part of  

Muvattupuzha assembly constituency.<br>T M Jacob was the first MLA  

of Piravom. P C Chacko, Benny Behanan, Gopi Kottamurickal, M J Jacob were the other  

MLAs. Piravom was part of Muvattupuzha <br>parliamentary constituency  

until 2019. From then, it is part of Kottayam parliamentary constituency. Prof. C Poulose,  

Umadevi Antharjanam, K P Salim and <br>Sabu K Jacob were also <br>  

Piravom Panchayath Presidents.<br></p>
<a href="hometown2.html">PLACES TO VISIT</a>

```

```
</body>
</html>


## hometown2.html


<html>
<head>
    <h1><center>PLACES TO VISIT</center></h1></head></h1>
    <link rel="stylesheet" type="text/css" href="mystyle.css">
    <p style="color: blue">
        <style>
            div{
                color: black;
            }
        </style>
        <style>
            .center {
                padding: 2px;
                display: block;
                margin-left: auto;
                margin-right: auto;
                width: 20%;
            }
        </style>
    </p>
</head>
<body>
    <div class="row">
        <div class="column">
            <br>
            <h1><strong><center>PAZHOOR TEMPLE</strong></center></h1>
            <p><center>It is Sandhara type temple with cardinal doors on Four sides. The plinth and the wall together are of granite stone work and <br> the rest of timber and sheet roof in circular vimana. Dwarapalakas are made of wood. Main deity Lord Shiva is facing east.<br>
                Square ardhamandapa contains beautiful wooden carvings on the ceiling. Pranala is a typical ornate Kerala type with standing <br>
                Yaksha bearing at its tip</center></p>
        </div>
        <div class="column">
            <br><br>
            <h1><strong><center>AREEKKAL WATERFALLS</strong></center></h1>
            <p><center>Areekkal Waterfalls located in Pampakuda Panchayat of Ernakulam district which was not known much to tourists until earlier.<br>
```

It received attraction in 2014, after the Kerala government launched the Aarekkal tourism development project. It is located on

the Piramadam-Vettimudu route and is around 100 feet in height with forest and rubber plantations in its background.

It is one of the major domestic tourist destination in Pampakuda.

The waterfall originates from Mannathur Hills in Tirumaradi Panchayat.</center> </p></div>

<div class="column">

<h1><center>AATTUTHEERAM PARK</center></h1>

<p><center>Piravom Attutheeram River View Park is a recent development carried out by the Piravm Municipality.

It is around 30Km from Cochin</center></p>

</div>

<h1>previous page</h1>

</body>

</html>

Output

File | C:/Users/MI/Desktop/Webs1/piravom.html

Gmail YouTube Maps

PIRAVOM

CORDINATES 9°51'0"N 76°30'0"E

OVERVIEW

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HISTORY

Piravom was owned by the Vadakkumkoor Kingdom until it was captured by Travancore kingdom, and is now part of the Indian state of Kerala. Piravom was reverted to panchayat status in 1992 after two years as a municipality because of skepticism that its classification as a municipality would attract higher tax rates and building regulation. However, as modern municipal councils now have the authority to fix the tax rate and new building rule provisions are now applicable to

PIRAVOM MUNICIPALITY

- Country : India
- State : Kerala
- District : Ernakulam
- City UA : Kochi

File | C:/Users/MI/Desktop/Webs1/piravom.html

Gmail YouTube Maps

Piravom was owned by the Vadakkumkoor Kingdom until it was captured by Travancore kingdom, and is now part of the Indian state of Kerala. Piravom was reverted to panchayat status in 1992 after two years as a municipality because of skepticism that its classification as a municipality would attract higher tax rates and building regulation. However, as modern municipal councils now have the authority to fix the tax rate and new building rule provisions are now applicable to special grade panchayats, the economic incentive for Piravom remaining a panchayat has disappeared. The Kerala state government and the GCDA have plans to incorporate Angamaly, Perumbavoor, Piravom and Kolenchery in Ernakulam district, Mala and Kodungallur in Thrissur district, Thalayolaparambu and Vaikom in Kottayam, and Cherthala in Alappuzha district into the jurisdiction of the Kochi metropolis. The newly formed metropolis would be put under the charge of a new authority called the Kochi Metropolitan Regional Development Authority.

PLACES OF INTEREST

- Pazhoor Padippura is an astrology center linked to Pazhoor Perumthrikovil located in Piravom is referred in the Aithihyamala by Kottarathil Sankunni.
- Pazhoor Perumthrikovil is a temple of Shiva of Hindu tradition located at the town of Piravom. The temple is believed to be nearly 1,800 years old. Pazhoor Perumthrikovil is also mentioned in Aithihyamala.
- Piravom Valiya Pally is one of the oldest churches in Kerala. It stands on a hilltop on the eastern bank of the Muvattupuzha River.

EDUCATIONAL INSTITUTIONS

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- Fatima Matha Central School
- St. Joseph's Higher Secondary School
- Holy Kings Public school Piravom
- BPC College Piravom
- MSM ITI, Piravom

- Country : India
- State : Kerala
- District : Ernakulam
- City UA : Kochi

File | C:/Users/MI/Desktop/Webs1/hometown2.html

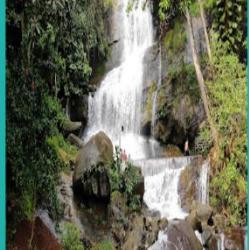
Gmail YouTube Maps

PLACES TO VISIT



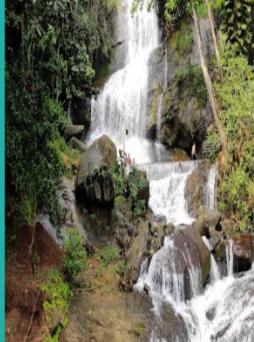
PAZHOOR TEMPLE

It is Sandhara type temple with cardinal doors on Four sides. The plinth and the wall together are of granite stone work and the rest of timber and sheet roof in circular vimana. Dwarapalakas are made of wood. Main deity Lord Shiva is facing east. Square ardhamandapa contains beautiful wooden carvings on the ceiling. Pranala is a typical ornate Kerala type with standing Yaksha bearing at its tip



File | C:/Users/MI/Desktop/Webs1/hometown2.html

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AREEKKAL WATERFALLS

Areekkal Waterfalls located in Pampakuda Panchayat of Ernakulam district which was not known much to tourists until earlier. It received attraction in 2014, after the Kerala government launched the Areekkal tourism development project. It is located on the Piramadam-Vettimedu route and is around 100 feet in height with forest and rubber plantations in its background.

It is one of the major domestic tourist destination in Pampakuda.
The waterfall originates from Mannathur Hills in Tirumaradi Panchayat.

← → C ⌂ File | C:/Users/MI/Desktop/Webs1/hometown2.html

Gmail YouTube Maps

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The waterfall originates from Mannathur Hills in Tirumaradi Panchayat.



AATTUTHEERAM PARK

Piravom Attutheeram River View Park is a recent development carried out by the Piravom Municipality. It is around 30Km from Cochin

[previous page](#)

Program # 4

4.Create MITS college Website with the help of style sheets, background colours, images, tables, and lists. Create multiple webpages which are easily navigable. Apply floating, mixed, and navigation frames to design the webpages..

PROGRAM CODE:

Mitsframe1

```
<html>
<head></head>
<frameset cols="50%,*">
<frame src="program4.html"></frame>
<frameset rows="60%,*">
<frame src="life@mits.html"></frame>
<frameset rows="100%,*">
<frame src="mitswebsite2.html"></frame>
</frameset>
</frameset>
</html>
```

Program4.html

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

<br>
<center>COLLEGE CODE : MUT
```

Affiliated to

APJ Abdul Kalam Technological University
Approved by AICTE

info@mgits.ac.in |

0484-2883300/0484-2732100/111

Relentless passion for excellence...</center>


```
.center {  
    display: block;  
    margin-left: auto;  
    margin-right: auto;  
    width: 30%;  
    height: 20%;  
}  
body {  
    background-image: url('mitsbackground.jpg');  
    background-repeat: no-repeat;  
    background-attachment: fixed;  
    background-size: 200px 140px;  
    background-position: right top;  
}  
.myDiv {  
    width: 300px;  
    height: 50px;  
    border: 2px outset white;  
    background-color: red;  
    text-align: center;  
    box-sizing: border-box;  
}  
  
.vm {  
    width: 300px;  
    padding: 2px;  
    border: 2px outset white;  
    background-color: red;  
    text-align: center;  
    box-sizing: border-box;  
}  
  
.dept {  
    width: 600px;  
    padding: 2px;  
    border: 2px outset white;  
    background-color: red;  
    text-align: center;  
    box-sizing: border-box;  
}  
  
.rec {  
    width: 600px;  
    padding: 2px;  
    border: 2px outset white;  
    background-color: red;
```

```
text-align: center;
  box-sizing: border-box;
}
</style>
</head>
<div class="myDiv">
  <h2>ABOUT</h2>
  <div>
    </div>
</div>
<br>
```


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 students, state-of-the-art infrastructure, highly qualified and proficient teachers from various faculty of engineering and allied streams, embedded

in a conducive environment where focus will be on their harmonious development.


```
<div class="vm">
  <h2>VISION & MISSION</h2>
</div>
```

<p>To be a centre of excellence for learning and research in engineering and technology,

producing intellectually well-equipped and socially committed citizens possessing an ethical value system.</p>

Offer well-balanced programme of instruction, practical exercise and
 opportunities in technology.

Foster innovation and ideation of technological solutions
 on sustainable basis.

Nurture a value system in students and engender in them
 a spirit of inquiry.

<div class="dept"><h2>PROGRAMMES OFFERED</h2>

</div>

<table border="1" >

<tr>

<th>COURSES</th>

<th>INTAKE</th>

</tr>

<tr>

<td>BTech COMPUTER SCIENCE</td>

<td>120</td>

</tr>

<tr>

<td>BTech AI & DATASCIENCE</td>

<td>60</td>

</tr>

<tr>

<td>BTech MECHANICAL</td>

<td>60</td>

</tr>

<tr>

<td>BTech ELECTRONICS & COMMUNICATION</td>

<td>60</td>

</tr>

<tr>

<td>MASTER OF COMPUTER APPLICATION</td>

<td>60</td>

</tr>

</table>

</div>

<div class="rec">

<h2>OUR MAJOR RECRUITERS</h2>

</div>


```
<br>
<br>
<a href="#top">top</a>
</html>
```

mitswebsite2.html

```
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="mystyle.css">
    <style>
      .message {
        width:300px;
        height: 50px;
        border: 2px outset white;
        background-color: red;
        text-align: center;
        box-sizing: border-box;
      }
    </style>
  </head>
  <body>

    <h1>NEWS & EVENTS</h1>
    <ul>
      <li>Congratulations to students placed at TATA ELXSI<br>
        October 4, 2023.</li><br>
      <li>World Space Week with ISRO<br>
        October 4, 2023.</li>
        <a href="C:\Users\MI\Desktop\Web\link1.html"></a><br>
      <li>VGuard Big Idea Design Challenge..... Congrats to the Team!!!!<br>
        September 25, 2023</li><br>
      <li>Congratulations to CS(AI) students for getting placed at UST!!!</li><br>
    </ul><br>
    <div class="message">
      <h2>PRINCIPAL'S MESSAGE</h2>
    </div>
```

At the outset, I must thank you for choosing Muthoot Institute of Technology and Science
as your preferred destination for launching yourself as an engineering professional.
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 At MITS, its our endeavour to create an ambience that would expose students to problems early on,
and train them to be solution providers. Towards this aim, we have created a magnificent infrastructure,
comprising of well-equipped laboratories, libraries, classrooms, seminar halls, cafeterias, playgrounds and

hostels.
 We have expert teachers from varying disciplines to guide you through every step.

</body>

top

</html>

.mystyle

body {

background-color:lightseagreen;

}

div {

color:black;}

Output

COLLEGE CODE : MUT Affiliated to APJ Abdul Kalam Technological University Approved by AICTE info@mgits.ac.in | 0484-2883300 0484-2732100/111 Relentless passion for excellence...

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Centre for Industrial Consultancy, Interdisciplinary Research, Innovation & Entrepreneurship (CIDRIE)

OBJECTIVES AND GOALS OF CIDRIE

The centre will help to bring faculty and students together to develop, refresh and exercise their research skills by helping to solve real world problems facing businesses, government and the community in general. The centre would primarily be having the following four goals:

- To teach applied research methods to students and interested faculty.
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OUR MAJOR RECRUITERS

CARE STACK
 BYJU'S The Learning App
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20MCA133 Web Programming Lab Record

mitsframe1.html

File | C:/Users/MI/Desktop/Webs1/mitsframe1.html

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OUR MAJOR RECRUITERS

CAFE STACK

mitsogo

CLUBS AT MITS

ARTS CLUB



NEWS & EVENTS

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CAFE STACK

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ECO CLUB



ROTARACT CLUB



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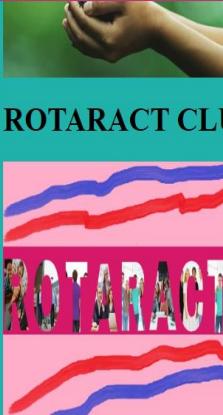
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OUR MAJOR RECRUITERS




[top](#)

ROTARACT CLUB



[VISIT MITS GALLERY](#)

[top](#)

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[top](#)

mitsframe1.html

File | C:/Users/MI/Desktop/Webs1/mitsframe1.html

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MITS GALLERY



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OVERALL PLACEMENT SUMMARY (2021-2023)

Placement Year	Total Students Placed	No. of Offers	Avg Offer/Student
AY 2021	178	398	2.2
AY 2022	49	113	2.3
AY 2023	100	134	1.3

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AY 2021	178	398	2.2
AY 2022	49	113	2.3
AY 2023	100	134	1.3

Department-wise Summary of Placement – B.Tech

Department	Total Students Placed	No. of Offers	Avg Offer/Student
Electrical Engineering	13	451	34
Computer Science & Engineering	27	61	4.1
Electronics & Communication Engineering	20	41	0.5
Mechanical Engineering	17	34	0.5
Civil Engineering	15	24	0.5
Chemical Engineering	10	10	1.0

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OVERALL PLACEMENT SUMMARY (2021-2023)

Placement Data:

Year	Total Students Placed	No. of Offers	Avg Offer/Student
2021-2022	124	188	1.5
2022-2023	133	187	1.3
2023-2024	126	185	1.3

Gender Distribution:

Gender	Percentage
Male	54%
Female	46%

Average Offers per Student:

Year	Avg Offer/Student
2021-2022	1.3
2022-2023	1.7
2023-2024	1.5

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Program # 5

5.Analyse CSS by applying various positioning methods of elements on a webpage with div elements and their classes using two external style sheets.

PROGRAM CODE:

Posoriginal.html

```
<link rel="stylesheet" type="text/css" href="styles.css">
  <link rel="stylesheet" type="text/css" href="styles1.css">
  <!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Positioning</title>
  <style>
    * {
      box-sizing: border-box;
    }

.box {
  display: inline-block;
  width: 100px;
  height: 100px;
  background: violet;
  color: indigo;
}

#two {
  position: relative;
  top: 20px;
  left: 20px;
  background: blue;
}

#three {
  position: relative;
  top: 20px;
  left: 20px;
  background: rgb(32, 30, 31);
}

#four {
```

```
position: static;
top: 20px;
left: 20px;
background: blue;
}
</style>
</head>
<body>
<h1>RELATIVE POSITIONING</h1>
<div class="box" id="one">One</div>
<div class="box" id="two">Two</div>
<div class="box" id="">Three</div>
<h1>ABSOLUTE POSITIONING</h1>
<div class="box" id="one" ><p>one</p>
<div class="box" id="two"><p>two</p>
<div class="box" id="three"><p>three</p>
</div>
</div>
</div></div>
</body>
</html>
```

styles.css

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

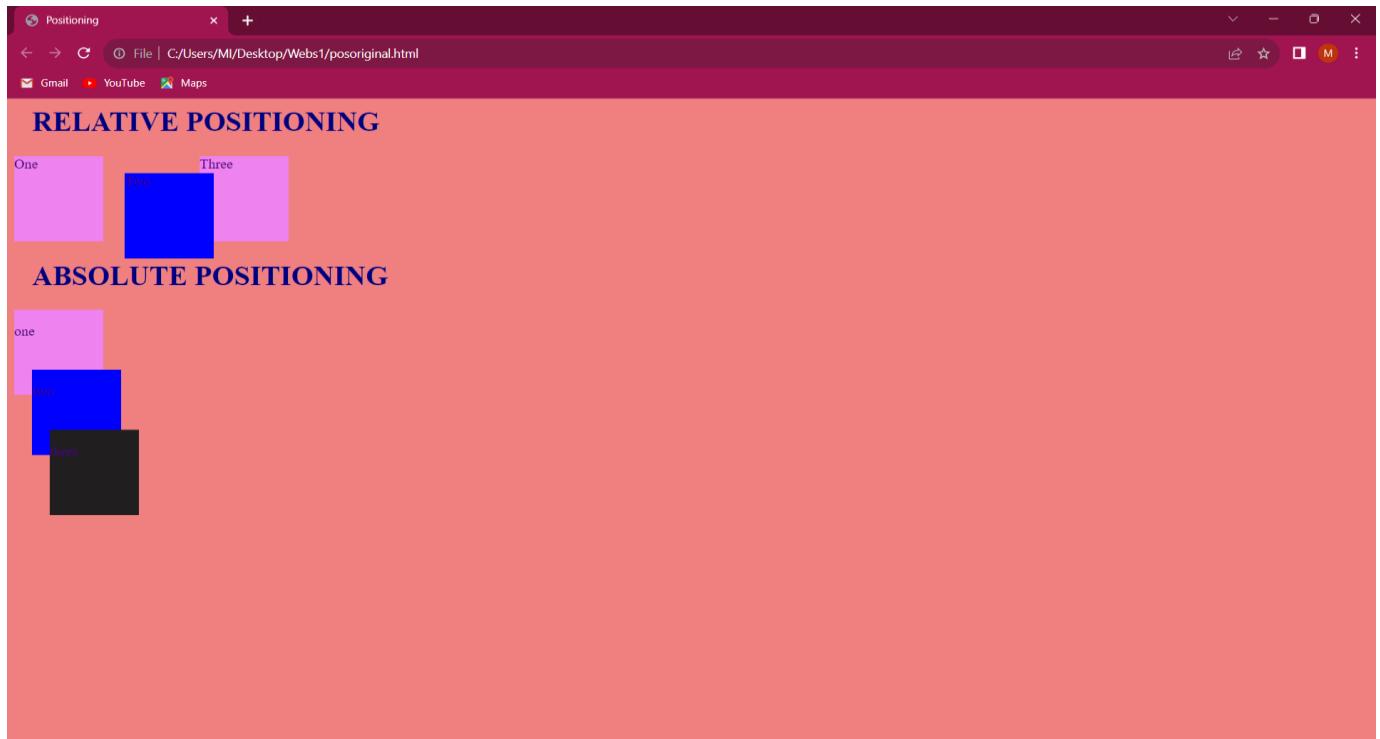
h1 {
    color: navy;
    margin-left: 20px;
}
```

styles1.css

```
.container {
    width: 80%;
    margin: 0 auto;
}

.left {
    float: left;
}
```

Output



Lab Cycle 2

CO2: Learn and design client-side validation using scripting languages.

Program # 6

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

PROGRAM CODE:

mathstringframe.html

```
<html>
<head></head>
<frameset cols="50%,55%">
<frame src="finalmath2.html"></frame>
<frame src="stringfinal.html"></frame>
</frameset>
</html>
```

Finalmath2.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>MATH FUNCTIONS</title>
<style>
body {
    font-family: Arial, sans-serif;
    max-width: 600px;
    margin: 20px auto;
    text-align: center;
}
h2 {
    color: #333;
}
label {
    display: block;
    margin: 10px 0;
}
input {
    width: 100%;
```

```
padding: 8px;
margin-bottom: 10px;
box-sizing: border-box;
}
button {
background-color:grey;
color: white;
padding: 10px 15px;
border: none;
border-radius: 4px;
cursor: pointer;
}
button:hover {
background-color: #45a049;
}
#mathOutput {
margin-top: 20px;
text-align: left;
}
</style>
</head>
<body>
<h2>Math Functions</h2>

<label for="inputNumber">Enter a Number:</label>
<input type="number" id="inputNumber" placeholder="Enter a number">

<label for="inputMinValue">Enter a value for Min:</label>
<input type="number" id="inputMinValue" placeholder="Enter a value for Min">

<label for="inputMaxValue">Enter a value for Max:</label>
<input type="number" id="inputMaxValue" placeholder="Enter a value for Max">

<label for="inputAbsValue">Enter a value for Abs:</label>
<input type="number" id="inputAbsValue" placeholder="Enter a value for Abs">

<button onclick="mathFunctions()">Submit</button>
<div id="mathOutput"></div>

<script>
function mathFunctions() {
    var inputNumber = parseFloat(document.getElementById("inputNumber").value);
    var inputMinValue = parseFloat(document.getElementById("inputMinValue").value);
    var inputMaxValue = parseFloat(document.getElementById("inputMaxValue").value);
    var inputAbsValue = parseFloat(document.getElementById("inputAbsValue").value);
    var mathOutput = document.getElementById("mathOutput");
    var squareRoot = Math.sqrt(inputNumber);
    var roundedNumber = Math.round(inputNumber);
```

```

var randomValue = Math.random();
var eValue = Math.E;
var piValue = Math.PI;
var sqrt2Value = Math.SQRT2;
var sqrt1_2Value = Math.SQRT1_2;
var ln2Value = Math.LN2;
var ln10Value = Math.LN10;
var log2eValue = Math.LOG2E;

var ceilValue = Math.ceil(inputNumber);
var floorValue = Math.floor(inputNumber);
var truncValue = Math.trunc(inputNumber);
var signValue = Math.sign(inputNumber);
var powValue = Math.pow(inputNumber, 2);
var absValue = Math.abs(inputAbsValue);
var minValue = Math.min(inputNumber, inputMinValue);
var maxValue = Math.max(inputNumber, inputMaxValue);
var logValue = Math.log(inputNumber);

mathOutput.innerHTML = "<h2>Results:</h2>";
mathOutput.innerHTML += "<p><strong>Square Root:</strong> " + squareRoot + "</p>";
mathOutput.innerHTML += "<p><strong>Rounded Number:</strong> " + roundedNumber + "</p>";
mathOutput.innerHTML += "<p><strong>Random Value:</strong> " + randomValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.E:</strong> " + eValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.PI:</strong> " + piValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.SQRT2:</strong> " + sqrt2Value + "</p>";
mathOutput.innerHTML += "<p><strong>Math.SQRT1_2:</strong> " + sqrt1_2Value + "</p>";
mathOutput.innerHTML += "<p><strong>Math.LN2:</strong> " + ln2Value + "</p>";
mathOutput.innerHTML += "<p><strong>Math.LN10:</strong> " + ln10Value + "</p>";
mathOutput.innerHTML += "<p><strong>Math.LOG2E:</strong> " + log2eValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.ceil:</strong> " + ceilValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.floor:</strong> " + floorValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.trunc:</strong> " + truncValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.sign:</strong> " + signValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.pow:</strong> " + powValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.abs:</strong> " + absValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.min:</strong> " + minValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.max:</strong> " + maxValue + "</p>";
mathOutput.innerHTML += "<p><strong>Math.log:</strong> " + logValue + "</p>";
}

</script>
</body>
</html>

```

OUTPUT

The screenshot shows a web browser window with two forms side-by-side.

Left Form (Math Functions):

- Enter a Number:
- Enter a value for Min:
- Enter a value for Max:
- Enter a value for Abs:
-

Right Form (String Functions):

- Enter a text:
- Enter a string to replace:
- Enter a replacement string:
-

Results:

Original Text: I love summer
Length: 13
Uppercase: I LOVE SUMMER
Lowercase: i love summer
First Character: I
Last Character: r
Substring (2 to 5): lov
Slice (2 to 5): lov
Substr (2, 5): love
Replaced Text with 'summer': I love winter

20MCA133 Web Programming Lab Record

The screenshot shows a web browser window with the title "mathstringframe.html". The address bar indicates the file is located at "C:/Users/Ml/Desktop/Webs1/mathstringframe.html". Below the address bar, there are standard browser controls: back, forward, search, and links to Gmail, YouTube, and Maps.

Results:

Square Root: 4.949747468305833
Rounded Number: 25
Random Value: 0.10850133554216224
Math.E: 2.718281828459045
Math.PI: 3.141592653589793
Math.SQRT2: 1.4142135623730951
Math.SQRT1_2: 0.7071067818865476
Math.LN2: 0.6931471805599453
Math.LN10: 2.302585092994046
Math.LOG2E: 1.4426950408889634
Math.ceil: 25
Math.floor: 24
Math.trunc: 24
Math.sign: 1
Math.pow: 600.25
Math.abs: 90
Math.min: 24.5
Math.max: 24.5
Math.log: 3.1986731175506815

Enter a text: I love summer

Enter a string to replace: summer

Enter a replacement string: winter

Submit

Results:

Original Text: I love summer
Length: 13
Uppercase: I LOVE SUMMER
Lowercase: i love summer
First Character: I
Last Character: r
Substring (2 to 5): lov
Slice (2 to 5): lov
Substr (2, 5): love
Replaced Text with 'summer': I love winter
Concatenated Text: I love summer and spring

Program # 7

7. Generate the calendar using JavaScript code by getting the year from the user.

PROGRAM CODE:

Calendar2.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Calendar </title>
<style>
body {
    font-family: 'Arial', sans-serif;
    text-align: center;
}

table {
    border-collapse: collapse;
    width: 80%;
    margin: 20px auto;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    border-radius: 8px;
    overflow: hidden;
}

th, td {
    padding: 15px;
    text-align: center;
    border: 1px solid #ddd;
}

th {
    background-color: #f2f2f2;
}

td {
    color: red;
    cursor: pointer;
    transition: background-color 0.3s;
}
```

```
}

td:hover {
    background-color: #f5f5f5;
}

.input-container {
    margin: 20px 0;
    font-size: 18px;
}

.input-container input {
    padding: 10px;
    font-size: 16px;
    margin-right: 10px;
    text-align: center;
}

.input-container button {
    padding: 10px;
    font-size: 16px;
    cursor: pointer;
}

</style>
</head>
<body>

<div class="input-container">
    <label for="year">Enter the year:</label>
    <input type="text" id="year" >

    <label for="month">Enter the month:</label>
    <input type="text" id="month" ><br>
    <br>

    <button onclick="generateCalendar()"> Submit</button>
<div id="selected-info"></div>
</div>

<script>
function generateCalendar() {
    var yearInput = document.getElementById("year");
    var monthInput = document.getElementById("month");

    var year = yearInput.value.trim();
    var month = monthInput.value.trim();
}
```

```

if (!isValidInteger(year) || !isValidInteger(month) || month < 1 || month > 12) {
    alert("Invalid input. Please enter valid integers for the year and month.");
    return;
}
document.getElementById("selected-info").innerText = "Calendar for " + getMonthName(month) + " " +
year;
var firstDay = new Date(year, month - 1, 1);

var table =
"<table><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat
</th></tr>";

for (var i = 0; i < 6; i++) {
    table += "<tr>";

    for (var j = 0; j < 7; j++) {
        var day = i * 7 + j - firstDay.getDay() + 2;

        if (day > 0 && day <= new Date(year, month, 0).getDate()) {
            table += "<td>" + day + "</td>";
        } else {
            table += "<td></td>";
        }
    }

    table += "</tr>";
}

table += "</table>";

document.body.innerHTML = document.querySelector(".input-container").outerHTML + table;
}

function isValidInteger(value) {
    return /^[0-9]+$/test(value);
}

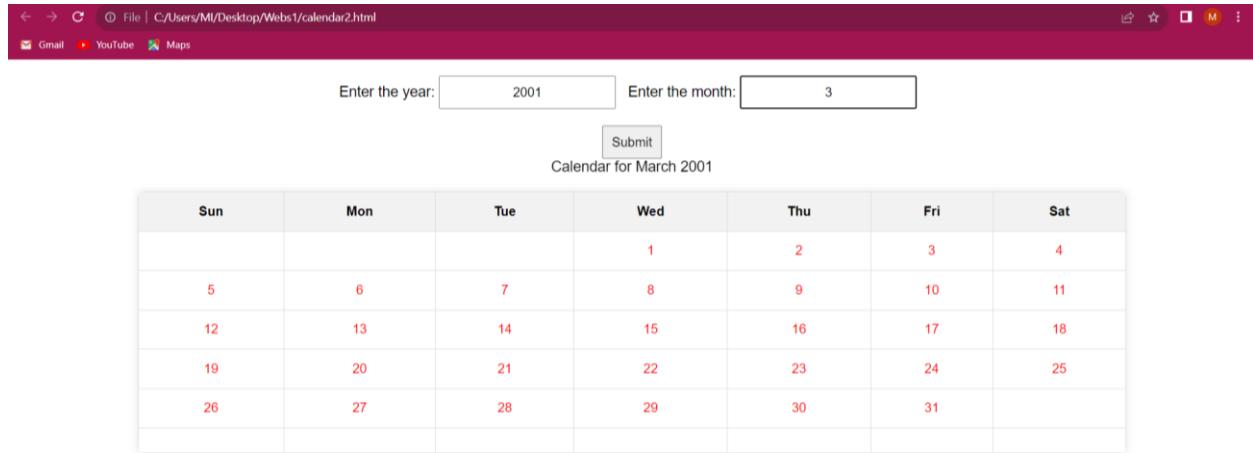
function getMonthName(month) {
    var monthNames = [
        "January", "February", "March", "April", "May", "June",
        "July", "August", "September", "October", "November", "December"
    ];

    return monthNames[month - 1];
}
</script>

```

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

OUTPUT



The screenshot shows a web browser window with the address bar displaying "C:/Users/MI/Desktop/Webs1/calendar2.html". Below the address bar, there are links for Gmail, YouTube, and Maps. The main content area contains a form with two input fields: "Enter the year:" containing "2001" and "Enter the month:" containing "3". A "Submit" button is positioned below the input fields. The text "Calendar for March 2001" is displayed above a 7x7 grid table representing the calendar. The table has columns labeled "Sun", "Mon", "Tue", "Wed", "Thu", "Fri", and "Sat". The days of the week are color-coded: Sun (light gray), Mon-Fri (white), and Sat (light gray). The dates are displayed in red text. The calendar shows the following data:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Program # 8

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

PROGRAM CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>MITS MCA Registration Form</title>
<style>

body {
    font-family: Arial, sans-serif;
    background-color:white;
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

form {
    max-width: 600px;
    margin: 20px auto;
    padding: 20px;
    background: #fff;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

label {
    display: block;
    margin-bottom: 8px;
}

input, select {
    width: 100%;
    padding: 8px;
    margin-bottom: 16px;
    box-sizing: border-box;
}
```

```
button {  
    background-color: #4CAF50;  
    color: #fff;  
    padding: 10px 15px;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #45A049;  
}  
</style>  
</head>  
<body>  
  
<form id="registrationForm" onsubmit="return validateForm()">  
    <h2><center>MITS MCA REGISTRATION FORM</center></h2>  
  
    <label for="fullName">Full Name:</label>  
    <input type="text" id="fullName" name="fullName" required>  
  
    <label for="email">Email:</label>  
    <input type="email" id="email" name="email" required>  
  
    <label for="phoneNumber">Phone Number:</label>  
    <input type="tel" id="phoneNumber" name="phoneNumber" pattern="[0-9]{10}" required>  
  
    <label for="gender">Gender:</label>  
    <select id="gender" name="gender" required>  
        <option value="male">Male</option>  
        <option value="female">Female</option>  
        <option value="other">Other</option>  
    </select>  
  
    <label for="qualification">Qualification:</label>  
    <input type="text" id="qualification" name="qualification" required>  
  
    <label for="yearOfAdmission">Year of Admission:</label>  
    <input type="number" id="yearOfAdmission" name="yearOfAdmission" min="2000" max="2023" required>  
  
    <label for="address">Address:</label>  
    <textarea id="address" name="address" rows="4" required></textarea>  
  
<br> <!-- Line break added here -->
```

```
<button type="submit">Submit</button>
</form>

<script>
function validateForm() {
    var fullName = document.getElementById('fullName').value;
    var email = document.getElementById('email').value;
    var phoneNumber = document.getElementById('phoneNumber').value;
    var gender = document.getElementById('gender').value;
    var qualification = document.getElementById('qualification').value;
    var yearOfAdmission = document.getElementById('yearOfAdmission').value;
    var address = document.getElementById('address').value;

    if (fullName === "" || email === "" || phoneNumber === "" || gender === "" || qualification === "" || yearOfAdmission === "" || address === "") {
        alert("All fields must be filled out");
        return false;
    }

    if (!/^\d{10}$/.test(phoneNumber)) {
        alert("Phone number must be 10 digits without spaces or dashes");
        return false;
    }

    return true;
}
</script>

</body>
</html>
```

OUTPUT

MITS MCA REGISTRATION FORM

Full Name*: Meenakshy Prakash

Email*: meenakshy

Phone: Please include an '@' in the email address, 'meenakshy' is missing an '@'.

Gender*: Female

Qualification*: BCA

Year of Admission*: 2020

Address*: Kattachirayil

Submit

MITS MCA REGISTRATION FORM

Full Name*: Meenakshy Prakash

Email*: meenakshy3@gmail.com

Phone Number*: 9178678ghj

Gender*: Please match the requested format.

Female

Qualification*: BCA

Year of Admission*: 2020

Address*: Kattachirayil

Submit

Program # 9

9. Create a program using the JavaScript Event Listener to add multiple events on the same button

PROGRAM CODE:

```
<html>
<body>
<h1><center>JavaScript addEventListener()</center></h1>
<style>
  body {
    color: red;
  }
</style>
<p><b>This program uses the addEventListener() method to add multiple events on the same button.</b></p>
<button id="btn">Try it</button>
<p id="demo"></p>
<script>
var x = document.getElementById("btn");
x.addEventListener("mouseover", mouseOverFunction);
x.addEventListener("click", mouseClickFunction);
x.addEventListener("mouseout", mouseOutFunction);
function mouseOverFunction() {
document.getElementById("demo").innerHTML += "Moused over!<br>";
}
function mouseClickFunction() {
document.getElementById("demo").innerHTML += "Clicked!<br>";
}
function mouseOutFunction() {
document.getElementById("demo").innerHTML += "Moused out!<br>";
}
</script>
</body>
</html>
```

OUTPUT



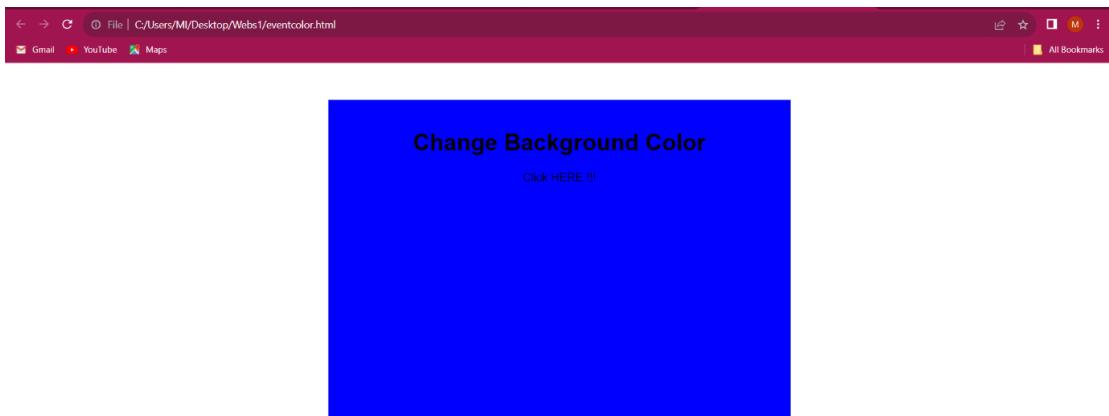
Program # 10

10. Develop a JavaScript Event Handling mechanism to change the background colour of a HTML page.

PROGRAM CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Change Background Colour on Mouse Click</title>
<style>
body { font-family: sans-serif; }
#container { width: 600px;
height: 400px;
margin: 50px auto;
padding: 20px;
text-align: center;
border: 1px solid #ccc; }
</style>
</head>
<body>
<div id="container">
<h1>Change Background Color</h1>
<p>Click HERE !!!</p> </div>
<script>
const container = document.getElementById('container');
container.addEventListener('click', () => {
const colors = ['#f00', '#0f0', '#00f', '#ff0', '#0ff', '#f0f'];
const randomColor = colors[Math.floor(Math.random() * colors.length)];
container.style.backgroundColor = randomColor; });
</script>
</body>
</html>
```

OUTPUT



Program # 11

11. 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 mechanism.

PROGRAM CODE:

```
<html>
<head>
<meta charset="UTF-8">
<title>Image and Text Hover</title>
<h1><center>Image and Text Hover</center></h1>
<style>

#flower{
    padding-top:60px;
}

#image-container {
position: relative;
background-color: white;
text-align: center;
}

#image-container img {
width: 50%;
height: auto; }

#hidden-content {
position: absolute;
top: 0;
left: 0;
width: 100%;
height: 100%;
background-color:white;
color:black;
text-align: center;
display: none; }
</style>
</head>

<body>
```

```
<center>
<div id="flower">
<div id="image-container">

<p id="image-text"></p>
<div id="hidden-content">

<p id="image-text">This is Dalia!!</p>
</div>
</div>
</div>
</center>
<script>

const imageContainer = document.getElementById('image-container');

const hiddenContent = document.getElementById('hidden-content');

const imageText = document.getElementById('image-text');

imageContainer.addEventListener('mouseover', () => {

    hiddenContent.style.display = 'block';

    imageText.textContent = 'This is a Dalia!!'; });

imageContainer.addEventListener('mouseout', () => {

    hiddenContent.style.display = 'none';

    imageText.textContent = 'This is a Lotus '); }

</script>
</body>
</html>
```

OUTPUT



Image and Text Hover



This is a Lotus



Image and Text Hover



This is Dalia!!

PROGRAM CODE:

Program # 12

12. Design and develop a complete Online exam using Html, CSS and JavaScript.

PROGRAM CODE

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Online Exam</title>
    <style>
        body {
            font-family: 'Times New Roman';
            margin: 50px;
            background-color: lightpink;
        }

        #exam-container {
            max-width: 600px;
            margin: auto;
            background-color: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }

        h1 {
            text-align: center;
            color:red;
        }

        .question {
            margin-bottom: 20px;
            color: blue;
        }

        .options label {
            display: block;
        }
    </style>
</head>
<body>
    <div id="exam-container">
        <h1>Online Exam</h1>
        <div>
            <h3>Question 1</h3>
            <p>What is the capital of France?</p>
            <ul class="list-group">
                <li>A. London</li>
                <li>B. Paris</li>
                <li>C. Berlin</li>
                <li>D. Rome</li>
            </ul>
            <input type="button" value="Submit Answer" />
        </div>
    </div>
</body>

```

```
margin-bottom: 8px;
}

.correct::before {
    content: '\2713';
    font-size: small;
    color: green;
    margin-right: 5px;
}

.incorrect::before {
    content: '\2717';
    font-size: small;
    color: red;
    margin-right: 5px;
}

button {
    padding: 10px 20px;
    font-size: 16px;
    cursor: pointer;
    color: #fff;
    background-color: #28a745;
    border: none;
    border-radius: 4px;
}

#result {
    margin-top: 20px;
    text-align: center;
    color: red;
}

```

</style>

</head>

<body>

<div id="exam-container">

<h1>QUIZ MASTER</h1>

<p>Read the instructions carefully before answering:
1 Mark will be awarded for each correct answer. There is no negative marking.

The time limit is 45 min.

Good luck!</p>

<div class="question" id="q1">

<p>1. Which is the longest river in the world?</p>

<div class="options" data-correct="b">

```
<label><input type="radio" name="q1" value="a"> Niger</label>
<label><input type="radio" name="q1" value="b"> Nile</label>
<label><input type="radio" name="q1" value="c"> Ganga</label>
</div>
<div class="feedback"></div>
</div>
```

```
<div class="question" id="q2">
<p>2. Environment Day is celebrated on?</p>
<div class="options" data-correct="b">
<label><input type="radio" name="q2" value="a"> June 6</label>
<label><input type="radio" name="q2" value="b"> June 5</label>
<label><input type="radio" name="q2" value="c"> June 11</label>
</div>
<div class="feedback"></div>
</div>
```

```
<div class="question" id="q3">
<p>3. Which is the largest ocean in the world?</p>
<div class="options" data-correct="c">
<label><input type="radio" name="q3" value="a"> Arctic Ocean</label>
<label><input type="radio" name="q3" value="b"> Indian Ocean</label>
<label><input type="radio" name="q3" value="c"> Pacific Ocean</label>
</div>
<div class="feedback"></div>
</div>
```

```
<div class="question" id="q4">
<p>4. Which is the smallest prime number?</p>
<div class="options" data-correct="b">
<label><input type="radio" name="q4" value="a"> 1</label>
<label><input type="radio" name="q4" value="b"> 2</label>
<label><input type="radio" name="q4" value="c"> 3</label>
</div>
<div class="feedback"></div>
</div>
```

```
<div class="question" id="q5">
<p>5. What is the value of  $3 + 2$ ?</p>
<div class="options" data-correct="c">
<label><input type="radio" name="q5" value="a"> 3</label>
<label><input type="radio" name="q5" value="b"> 9</label>
<label><input type="radio" name="q5" value="c"> 5</label>
</div>
<div class="feedback"></div>
</div>
```

```
<button onclick="submitExam()">Submit</button>
```

```

<div id="result"></div>
</div>

<script>
    let score = 0;

    function submitExam() {
        let feedback = "";

        checkAnswer('q1');
        checkAnswer('q2');
        checkAnswer('q3');
        checkAnswer('q4');
        checkAnswer('q5');

        const resultElement = document.getElementById('result');
        resultElement.innerHTML = 'Your score is: ' + score + ' out of 5<br>' + feedback;

        return false;
    }

    function checkAnswer(questionId) {
        const questionElement = document.getElementById(questionId);
        const options = questionElement.querySelectorAll(`input[name="${questionId}"]:checked`);
        const correctAnswer = questionElement.querySelector('.options').dataset.correct;
        const feedbackElement = questionElement.querySelector('.feedback');

        if (options.length > 0) {
            const userAnswer = options[0].value;
            if (userAnswer === correctAnswer) {
                score++;
                feedbackElement.innerHTML = `Your answer is correct! <span class="correct"></span>`;
            } else {
                feedbackElement.innerHTML = `Your answer is incorrect. Correct answer is ${correctAnswer}. <span class="incorrect"></span>`;
            }
        } else {
            feedbackElement.innerHTML = 'Question not answered. <span class="incorrect"></span>';
        }
    }
</script>

</body>

</html>

```

OUTPUT

The screenshot shows a web browser window with a pink background. The title bar indicates the file path: C:/Users/MI/Desktop/Webst1/examnew.html. The toolbar includes standard icons for back, forward, search, and refresh. Below the toolbar, there are links for Gmail, YouTube, and Maps, along with a 'All Bookmarks' button. The main content area is titled 'QUIZ MASTER' in red. It contains instructions: 'Read the instructions carefully before answering.', '1 Mark will be awarded for each correct answer. There is no negative marking.', 'The time limit is 45 min.', and 'Good luck!'. The first question is '1. Which is the longest river in the world?'. Options are: Niger, Nile, and Ganga. A message says 'Your answer is incorrect. Correct answer is b. ✗'. The second question is '2. Environment Day is celebrated on?'. Options are: June 6, June 5, and June 11. A message says 'Your answer is incorrect. Correct answer is b. ✗'. The third question is '3. Which is the largest ocean in the world?'. Options are: Arctic Ocean, Indian Ocean, and Pacific Ocean. A message says 'Your answer is correct! ✓'. The fourth question is '4. Which is the smallest prime number?'. The options are not visible in the screenshot.

20MCA133 Web Programming Lab Record

The screenshot shows a web browser window with a pink header bar. The address bar displays the file path: C:/Users/M/Desktop/Webs1/examnew.html. The browser's toolbar includes icons for back, forward, search, and other functions. Below the toolbar, there are links to Gmail, YouTube, and Maps, along with a 'All Bookmarks' link.

The main content area contains a quiz with five questions:

- Q June 11
Your answer is incorrect. Correct answer is b. X
3. Which is the largest ocean in the world?
 Arctic Ocean
 Indian Ocean
 Pacific Ocean
Your answer is correct! ✓
4. Which is the smallest prime number?
 1
 2
 3
Question not answered. X
5. What is the value of $3 + 2$?
 3
 9
 5
Your answer is incorrect. Correct answer is c. X

A green 'Submit' button is located at the bottom left of the quiz area. At the bottom center, the text 'Your score is: 1 out of 5' is displayed.