

SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING
KADAYIRUPPU, KOLENCHERY 682311

(Affiliated to APJ Abdul Kalam Technological University)

ACADEMIC YEAR 2023-2024



20 MCA 133 WEB PROGRAMMING LABORATORY RECORD

Submitted by

NAME:AKSHAY PRADEEP

REG NO: SNG23MCA-2015

In partial fulfillment for the award of the degree in

MASTER OF COMPUTER APPLICATIONS

SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING
KADAYIRUPPU, KOLENCHERY 682311

(Affiliated to APJ Abdul Kalam Technological University)

ACADEMIC YEAR 2023-2024



20 MCA 133 WEB PROGRAMMING LABORATORY RECORD

NAME: AKSHAY PRADEEP

SEMESTER: S1

ROLL NO:

BRANCH: MCA

Certifies that this is a Bonafide Record of Practical work done in partial fulfillment of the requirements for the award of the Degree in Master of Computer Applications of Sree Narayana Gurukulam College of Engineering.

Kadayiruppu

Date :

Head of the Department

Course Instructor

Submitted for University Practical Examination

Reg No: _____ **on** _____

External Examiner:

Internal Examiner:

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Course Outcome (CO1)

Program No:1

DATE:5/10/2023

BASIC TAGS

AIM: Create a simple HTML file to demonstrate the use of different tags. Set the title of the page as "College HTML Page". Within the body perform the following.

[Moving text ,Different heading tags (h1 to h6), Paragraph, Horizontal line,Line Break, ,Different Logical Style (, sub>, <sup>...), Align tag, Placing image and formatting, use of html table]

Create a static webpage for your college with the following information:

- (a) Name of college (First level heading, text align = center, color = blue, use style attribute)
- (b) Add vision and mission of the college as scrolling text (color = green)
- (c) About us (Second level heading, background-color = red, color = white, use style attribute)
 - i. Insert an image of your college. (Align image in center, width = 1000px, height = 300px)
 - ii. Add a brief description about your college. (justified paragraph)
- (d) Courses Offered (Second level heading, background-color = red, color = white, use style attribute)
 - i. Add a brief description about courses offered. (justified paragraph)
Add course details(Use HTML table)
 - ii. Contact us. (Second level heading, background-color = red, color = white)
Address for Communication (Third level heading, color = blue)
Address of the college
Add Link to official website of the college.

Source Code:

<html>

<head>

<title>Web Page</title>

</head>

<body bgcolor="white">

<h2 align="center"><U>Sree Narayana Gurukulam College Of Engineering</U></h2>

<p>Vision :Empowering the masses to achieve economic and social freedom through technical and management education.</p>

<p>Mission :Prepare students for a career in industry, academia, R&D and government by

developing necessary technical capabilities and interpersonal skills in them.</p>

ABOUT SREE NARAYANA GURUKULAM COLLEGE

COURSES

CONTACT

<h3 style="background-color:red">About Us</h1>

<p align="justify">

Sree Narayana Gurukulam College of Engineering widely known as SNGCE is a pioneer, selffinancing educational institution established in the year 2002 to impart engineering and management education with the -state - of- art amenities to the deserving candidates. It is well managed by Sree Narayana Gurukulam Charitable Trust, a recognized charitable society comprising of eminent personalities from diverse spheres of activity across the world and flourishes under the wings of SNDP Kunnathunadu Union. SNGCE is approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Techno logical

University (KTU). It is also an approved Research Centre of Kerala University of Fisheries and Ocean Studies (KUFOS). area accommodates state-of-the-art classrooms, most modern laboratories, model workshops, well equipped Library, mesmerizing Hostels, stationery provision store multi- cuisine restaurant and a mini cafeteria.SNGCE has everything a professional candidate looks for the best career route.</p>

<h3 style="background-color:red">Courses Offered</h1>

<p align="justify">

All courses offered by SNGCE are affiliated to KERALA TECHNOLOGICAL UNIVERSITY (KTU) and approved by the All India Council for Technical Education (AICTE).The B. Tech programmes are of 8 semester (4 year) duration. The combined first and second semester courses are common for all branches. The M. Tech programmes are of 4 semester (2 year) duration, MBA and MCA programme is of 4 semester (2 year) duration.</p>

```
<table align="center" border="black" style="width:80%">
```

```
<tr>
```

```
<th colspan=3>UG
```

```
</tr>
```

```
<tr>
```

```
<th>COURSES
```

```
<th>DEPARTMENT
```

```
<th>INTAKE
```

```
</tr>
```

```
<tr>
```

```
<td rowspan=6>Btech
```

```
<td>Civil Engineering
```

```
<td>60
```

```
</tr>
```

```
<tr>
```

```
<td>Computer Science
```

```
<td>120
```

```
</tr>
```

```
<tr>
```

```
<td>Mechanical Engineering
```

```
<td>60
```

```
</tr>
```

```
<tr>
```

```
<td>Electrical & Electronics Engineering
```

<td>60

</tr>

<tr>

<td>Electrical & Communication Engineering

<td>60

</tr>

<tr>

<td>Naval Architecture & Ship Building

<td>60

</tr>

</table>

<table align="center" border="black" style="width:80% ">

<tr>

<th colspan=4>PG

</tr>

<tr>

<th>COURSES

<th>DEPARTMENT

<th>SPECIALIZATION

<th>INTAKE

</tr>

<tr>

<td rowspan=6>Mtech

<td>Civil Engineering

<td>

<td>

</tr>

<tr>

<td>Computer Science

<td>

<td>

</tr>

<tr>

<td>Mechanical Engineering

<td>

<td>

</tr>

<tr>

<td>Electrical & Electronics Engineering

<td>

<td>

</tr>

<tr>

<td>Electrical & Communication Engineering

<td>

<td>

</tr>

<tr>

<td>Naval Architecture & Ship Building

<td>

<td>

</tr>

<tr>

<td>MCA


```

<td>MCA
<td>Computer Application
<td>60
</tr>
<tr>
<td>MBA
<td>MBA
<td>Bussiness Administration
<td>
</table>

<h3 style="background-color:red" href="contact"><font color="white">Contact
Us</font></h1><br>
<p><font color="skyblue"><a id="contact"></a>Address for Communication</font></p>
<p><font color="black">Kadayirippu PO Kolenchery</font></p>
<p><font color="black">Ernakulam District, Kerala, PIN 682311</font></p>
<a href="https://sngce.ac.in/" target="_blank">Official Website</a>
<br>
<br>
<br>
</body>
</html>

```

Output:

Sree Narayana Gurukulam College Of Engineering

Vision :Empowering the masses to achieve economic and social freedom through technical and management education.

Mission :Prepare students for a career in industry, academia, R&D and government by developing necessary technical capabilities and interpersonal skills in them.

[ABOUT SREE NARAYANA GURUKULAM COLLEGE](#)

[COURSES](#)

[CONTACT](#)

About Us



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Courses Offered

All courses offered by SNGCE are affiliated to KERALA TECHNOLOGICAL UNIVERSITY (KTU) and approved by the All India Council for Technic Education (AICTE).The B. Tech programmes are of 8 semester (4 year) duration. The combined first and second semester courses are common for branches. The M. Tech programmes are of 4 semester (2 year) duration, MBA and MCA programme is of 4 semester (2 year) duration.

UG		
COURSES	DEPARTMENT	INTAKE
Btech	Civil Engineering	60
	Computer Science	120
	Mechanical Engineering	60
	Electrical & Electronics Engineering	60
	Electrical & Communication Engineering	60
	Naval Architecture & Ship Building	60

PG			
COURSES	DEPARTMENT	SPECIALIZATION	INTAKE
Mtech	Civil Engineering		
	Computer Science		
	Mechanical Engineering		
	Electrical & Electronics Engineering		
	Electrical & Communication Engineering		
	Naval Architecture & Ship Building		
MCA	MCA	Computer Application	60
MBA	MBA	Bussiness Administration	

Contact Us

Address for Communication

Kadayirippu PO Kolenchery

Ernakulam District, Kerala, PIN 682311

[Official Website](#)

Program No:2

Date:5/10/2023

Linking Pages

AIM : Create a HTML file to link different HTML pages (ImageGallary,Time Table of Gallary Shows, Your Profile with Section) which contain images, tables and also link with a page (profile).

Source Code:

Program2.html

```
<html>
<head>
    <title>Website Navigation</title>
</head>
<body>
    <h1>Welcome to Worlds Of Arts</h1>

    <h2>Contents</h2>
    <ol type="a">
        <li><a href="imggallery.html">Image Gallery</a></li><br>
        <li><a href="TT.html">Time Table of Gallery Shows</a></li><br>
        <li><a href="profile.html">Your Profile</a></li>
    </ol>

</body>
</html>
```

Imggallery.html

```
<html>
<body>
<h2>Image Gallery</h2>
  <p>The Famous Arts</p>
    
    
    
    
    
  <br>
<br>
<a href="PROGRAM 2.html">Back</a>
</body>
</html>
```

profile.html

```
<html>
<head>
<style>
body{
background-color: pink;
}
h1 {color: white;}
h2 {color: white;}
</style>
</head>
```

[illegible]

</html>

TT.html

<html>

<body>

<h2>Time Table of Gallery Shows</h2>

<table style="width:50% " border="black">

<tr>

<th>Date

<th>Show

<th>Time

</tr>

<tr>

<td>Monday

<td>Morning

<td>9 AM

</tr>

<tr>

<td>Tuesday

<td>Morning

<td>10 AM

</tr>

<tr>

<td>Wednesday

<td>Evening

<td>4 PM

</tr>

<tr>

```
<td>Thursday
<td>Evening
<td>6 PM
</tr>
</table>
<br>
<a href="PROGRAM 2.html">Back</a>
</body>
</html>
```

Output:

Home page

Welcome to Worlds Of Arts

Contents

- a. [Image Gallery](#)
- b. [Time Table of Gallery Shows](#)
- c. [Your Profile](#)

Image Gallery

The Famous Arts



[Back](#)

My Profile

AKSHAY PRADEEP

1.Personal Details:

- a. Name: AKSHAY PRADEEP
- b. Age: 21
- c. Designation: Art Gallery Director

2.Other Details:

- a. Artist.
- b. Nobel Price Winner.
- c. Creator of 50 Major Paintings.

3.Other Works:

- a. Proffessor at KADMM
- b. Senior Art associative officer
- c. Session Counteror

Mobile No:9074885639

Email id:akshay2002@gmail.com

Time Table

Time Table of Gallery Shows

Date	Show	Time
Monday	Morning	9 AM
Tuesday	Morning	10 AM
Wednesday	Evening	4 PM
Thursday	Evening	6 PM

[Back](#)

Frames

AIM: Create a HTML web page file with different types of frames such as floating frame, navigationframe & mixed frame. (i).Create an HTML page named as “mixedframe.html”. Divide the page into two columns of 25% & 75% size. In 25% display the image and divide the 75% into two rows. (50% & 50%). In the first 50% display the video file and other 50% the schedule created for webinars.

(ii).Create an HTML page named as “navigationframe.html”. Divide the page into two columns of 25%, 75% size. In 25% size call the hyperlink (with different category of mobile phones), and make the page to be get displayed on the other column when the link is clicked(a brief description of the phone selected).

(iii).Create an HTML page named as “floatingframes.html”. In this create a sample picture viewer as follows using Floating frames.

Source Code:

1. ii. Navigationframe

Source code:

Menu page.html

```
<html>
<body>
<a href="sam.html" target="content">samsung</a><br><br>
<a href="iphone.html" target="content">iphone</a><br><br>
<a href="lg.html" target="content">Lg</a><br><br>
<a href="pixels.html" target="content">pixels</a><br><br>
</body>
</html>
```

Iphone.html

```
<html>
```

<body>

 <p>The iPhone is a smartphone developed by Apple.

The first iPhone was released in June, 2007 and an updated version has been released roughly every year since then.

While the iPhone was originally only available to AT&T customers, the iPhone 4 was released on the Verizon network in February, 2010.

The iPhone has a sleek, minimalist design, and differs from other smartphones in its lack of buttons.

Most operations on the iPhone are performed using the touch screen display.

The only physical buttons include a sleep/wake button, a mute switch, volume up/down buttons, and a home button.</p>

</body>

</html>

Sam.html

<html>

<body>

<p>A smartphone from Samsung Electronics Company with headquarters in Suwon, South Korea, approximately 19 miles from Seoul.

Samsung has had the largest market share of Android smartphones until 2020, when Huawei briefly took the top spot.
 Since 2010, Samsung is known for its Galaxy S models, which are a direct competitor to Apple's iPhone.</p>

</body>

</html>

Lg.html

<html>

<body>

```

```

```
<p>LG is one of the leading manufacturers of Android smartphones in the market, delivering models with a variety of features, including some cutting-edge technologies.<br>
```

```
You can find LG phones with varying screen sizes, multiple camera options, and different storage capacities.</p>
```

```
</body>
```

```
</html>
```

Pixel.html

```
<html>
```

```
<body>
```

```

```

```
<p>Google Pixel is a brand of portable consumer electronic devices developed by Google that run either ChromeOS or the Android operating system.<br>
```

```
The main line of Pixel products consist of Android-powered smartphones, which have been produced since October 2016 as the replacement of the older <br>Nexus, and of which the Pixel 8 and 8 Pro are the current models.<br>
```

```
The Pixel brand also includes laptop and tablet computers, as well as several accessories, and was originally introduced in February 2013 with the Chromebook Pixel.</p>
```

```
</body>
```

```
</html>
```

Navigation.html

```
<html
```

```
<head>
```

```
<title>Navigation</title>
```

```
</head>
```

```
<frameset cols=25%,75%>
```

```
<frame src="menu.html">
```

```
<frame name="content">  
</frameset>  
</html>
```

Output:



[samsung](#)

[iphone](#)

[Lg](#)

[pixels](#)



A smartphone from Samsung Electronics Company with headquarters in Suwon, South Korea, approximately 19 miles from Seoul.

Samsung has had the largest market share of Android smartphones until 2020, when Huawei briefly took the top spot.

Since 2010, Samsung is known for its Galaxy S models, which are a direct competitor to Apple's iPhone.

2. Mixed Frames

i .Mixedframe

Profile Picture.html

```
<html>
```

```
<head>
```

```
</head>
```

```
<body>
```

```

```

```
</body>
```

</html>

YouTube Link.html

<html>

<head>

</head>

<body>

<iframe width="800" height="348"

src="https://www.youtube.com/embed/OXGznpKZ_sA?si=yGD1m3y9Fp1ljmwn"

title="YouTube video player"

frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>

</body>

</html>

Time Table.html

<html>

<head>

<title>time table</title>

</head>

<body bgcolor="white">

<H1><CENTER>COLLEGE TIME TABLE</H1>

<table border="2" bgcolor="skyblue" cellpadding="3" align="center">

<tr>

<td align="center">Monday</td>

<td>Tuesday</td>

<td>Wednesday</td>

<td>Thursday</td>

<td>Friday</td>

</tr>

<tr>

<td>maths</td>

<td>Physics</td>

<td>Chemistry</td>

<td>Computer Science</td>

<td>English</td>

</tr>

<tr>

<td>Malayalam</td>

<td>Lab</td>

<td>Lab</td>

<td>Physics</td>

<td>Chemistry</td>

</tr>

<tr>

<td>maths</td>

<td>Physics</td>

<td>Computer Science</td>

<td>Lab</td>

<td>Lab</td>

</tr>

<tr>

<td>Lab</td>

<td>Lab</td>

<td>Lab</td>

<td>Maths</td> <td>Englis</td>


```
</tr>
<tr>
<td>Computer Science</td>
<td>Malayalam</td>
<td>Chemistry</td>
<td>English</td>
<td>Physics</td>
</tr>
</body>
</html>
```

Home Page.html

```
<html> <head>

</head>

<frameset cols=25%,75%>
    <frame src="pgm3a1.html">
        <frameset rows=50%,50%>
            <frame src="pgm3a1.1.html">
            <frame src="pgm3a1.2.html">
        </frameset>
    </frame>
</frameset>

</html>
```

Output:

cat.html

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

horse.html

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

dog.html

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

Output:

Picture Viewer



Picture Viewer

[Cat](#) [Horse](#) [Dog](#)



Picture Viewer

[Cat](#) [Horse](#) [Dog](#)



Cascading Style Sheet

AIM : Create a HTML file by applying the different styles using inline, external & internal style sheets.

(A) Using Internal style sheets, create a web page showing your biodata, with the following styles:

- a. Put your Name in <h1> tag, center aligned.
- b. Add following via <h2>tags, Personal Details, Educational Details, Hobbies. Put the respective contents below, in list format.
- c. Add contact details at the bottom including mail id and mobile number.
- d. Style all <h1> tags as red colored and center aligned and all tags as white colored with background color blue.
- e. Display <p> elements with a border.
- f. Change the background color of the page to yellow .

(B) Using External Style Sheets, create a web page with following styles: a. Create different paragraphs defining different selectors in CSS. Each paragraph should be defined with appropriate labels for making styles of each selector b. Style each selector with unique font color, and background color.

(C) Create an html page named “Players.html”. Use Inline Style Sheets to create a table as shown below.

Source code:

A. Internal

```
<html>
  <head>
    <title>internal css</title>
    <style>
      body
      {
        background-color:yellow;
      }

      h1
      {
        text-align:center;
```

```

        color:red;
    }

h2
{
    color:white;
    background-color:blue;
}

p
{
    border:1px solid;
}

</style>
</head>
<body>
    <h1>AKSHAY PRADEEP</h1>
    <h2>Personal Details</h2>
    <p>
        <ul>
            <li>Address:Charath House Poonithura</li>
            <li>Pincode:682038</li>
            <li>State:Kerala</li>
            <li>Country:India</li>
        </ul>
    </p>
    <h2>Educational Details</h2>
    <p>
        <ul>
            <li>X</li>
            <li>XII</li>
            <li>BCA</li>
            <li>MCA</li>
        </ul>
    </p>
    <h2>Hobbies</h2>
    <p>
        <ul>
            <li>Gaming</li>
            <li>Sleeping</li>
            <li>Eating</li>
        </ul>
    </p>
    PHONE:8891028989<br>
    E-Mail:akshaypradeep2016@gmail.com
</body>

```

</html>

Output:

AKSHAY PRADEEP
Personal Details
<ul style="list-style-type: none">• Address:Charath House Poonithura• Pincode:682038• State:Kerala• Country:India
Educational Details
<ul style="list-style-type: none">• X• XII• BCA• MCA
Hobbies
<ul style="list-style-type: none">• Gaming• Sleeping• Eating
PHONE:8891028989 E-Mail:akshaypradeep2016@gmail.com

B. External

```
<html>
<head>
<link rel="stylesheet" href="newFile.css">
</head>
<body>
<h1 align="center" style="background-color:white">CREATE</h1>
<p id="para1">Other theorists reject this claim by pointing out that what matters is not
just what is presented but also how it is presented. A great variety of types of experiences
is discussed in the academic literature. Perceptual experiences, for example, represent
the external world through stimuli registered and transmitted by the senses. The
experience of episodic memory, on the other hand, involves reliving a past event one
experienced before. In imaginative experience, objects are presented without aiming to
show how things actually are. The experience of thinking involves mental
representations and the processing of information, in which ideas or propositions are
```

entertained, judged or connected. Pleasure refers to experience that feels good. It is closely related to emotional experience, which has additionally evaluative, physiological and behavioral components. Moods are similar to emotions, with one key difference being that they lack a specific object found in emotions. Conscious desires involve the experience of wanting something. They play a central role in the experience of agency, in which intentions are formed, courses of action are planned, and decisions are taken and realized. Non-ordinary experience refers to rare experiences that significantly differ from the experience in the ordinary waking state, like religious experiences, out-of-body experiences or near-death experiences.</p>

###

experience of thinking involves mental representations and the processing of information, in which ideas or propositions are entertained, judged or connected. Pleasure refers to experience that feels good. It is closely related to emotional experience, which has additionally evaluative, physiological and behavioral components. Moods are similar to emotions, with one key difference being that they lack a specific object found in emotions. Conscious desires involve the experience of wanting something. They play a central role in the experience of agency, in which intentions are formed, courses of action are planned, and decisions are taken and realized.

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

newFile.css

```
body{background-color:grey;}
h1{ color:green;
font-family:verdana;
} h2{
color:orange; font-
family:script;
} h3{ color:yellow;
font-family:Monospace;
}
#para1{ text-
align:justify;
color:white; }
#para2{ text-
align:justify; color:white;
font-family:verdana;
}
#para3{ text-
align:justify; color:white;
font-family:arial;
}
```

Output:

CREATE

PERFORM

CONCLUDE

C. Inline

[illegible]

```

</tr>
<tr>
<td>Dhoni
<td>5980
<td><i><font color="yellow">CSK</font></i>
</tr>
</body>
</html>

```

Output:

<u>All-Time Home Run Record</u>		
<u>Players</u>	<u>Runs</u>	<u>Teams</u>
Sachin	6000	<i>Mumbai</i>
Kohli	4010	<i>RCB</i>
Dhoni	5980	<i>CSK</i>

Program No : 5

Date : 20/10/2023

Registration Form

AIM : Create a registration form using HTML. Use table to structure the elements.

Source code:

```
<html>

<head>

<title>Registration Page

</title>

</head>

<body>

<form method="POST">

<table border="1" align="center">

<tr>

<td>First Name:</td>

<td><input type="text" id="text1" name="frame" maxlength="30"></td><br>

</tr>

<tr>

<td>Second Name:</td>

<td><input type="text" id="text2" name="frame" maxlength="30"></td><br>

</tr>

<tr>

<td>Date of Birth:</td>

<td><select>

<option value="0">Day</option>

<option value="1">1</option>
```

<option value="2">2</option>
<option value="3">3</option>

<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>

<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>

```
<option value="30">30</option>
</select>
<select>
  <option value="0">Month</option>
  <option value="1">1</option>
  <option value="2">2</option>
  <option value="3">3</option>
  <option value="4">4</option>
  <option value="5">5</option>
  <option value="6">6</option>
  <option value="7">7</option>
  <option value="8">8</option>
  <option value="9">9</option>
  <option value="10">10</option>
  <option value="11">11</option>
  <option value="12">12</option>
</select>
<select>
  <option value="0">Year</option>
  <option value="1">2001</option>
  <option value="2">2002</option>
  <option value="3">2003</option>
  <option value="4">2004</option>
  <option value="5">2005</option>
  <option value="6">2006</option>
  <option value="7">2007</option>
  <option value="8">2008</option>
  <option value="9">2009</option>
```

```

<option value="10">2010</option>
    <option value="11">2011</option>
<option value="12">2012</option>
    <option value="13">2013</option>
    <option value="14">2014</option>
    <option value="15">2015</option>
    <option value="16">2016</option>
    <option value="17">2017</option>
    <option value="18">2018</option>
    <option value="19">2019</option>
    <option value="20">2020</option>

</select>
</td>

```

```

</tr>

```

```

<tr>
    <td>Email id:</td>
    <td><input type="email" id="mail"></td><br>
</tr>

```

```

<tr>
    <td>Phone No:</td>
    <td><input type="phone" name="phone" size="10" maxlength="10"></td><br>
</tr>

```

```
<tr>
    <td>Gender:</td>
    <td><input type="radio" name="gender" label for="male">Male</label>
    <input type="radio" name="gender" label for="female">Female</label>
    <input type="radio" name="gender" label for="others">Others</label></td> </tr>
```

```
<tr>
    <td>Address:</td>
    <td><textarea id="add" name="address" rows="5" cols="40"></textarea></td>
</tr>
```

```
<tr>
    <td>City:</td>
    <td><input type="text" id="text4" name="city" maxlength="30"></td>
</tr>
```

```
<tr>
    <td>Pincode:</td>
    <td><input type="text" id="text5" maxlength="6"></td>
</tr>
```

```
<tr>
    <td>State:</td>
    <td><input type="text" id="text6" name="city" maxlength="30"></td>
</tr>
```

```
<tr>
```



```

        <td>Country:</td>
        <td><input type="text" id="text7" value="India"></td>
    </tr>

    <tr>
        <td>Hobbies:</td>
        <td>Drawing<input type="checkbox" id="text8" name="hobbi">
        Singing<input type="checkbox" id="text8" name="hobbi">
        Dancing<input type="checkbox" id="text8" name="hobbi">
        Running<input type="checkbox" id="text8" name="hobbi"><br>
        Others<input type="checkbox" id="text8" name="hobbi">
        <input type="text" id="text9" name="hobbi"></td>
    </tr>

    <tr>
        <td>Qualification</td>
        <td>
            <table>
                <tr>
                    <th>SiNo:</th>
                    <th>Examination:</th>
                    <th>Board:</th>
                    <th>Percentage:</th>
                    <th>Year of Passing:</th>
                </tr>
                <tr>
                    <td>1</td>
                    <td>Class X</td>

```

```

        <td><input type="text" id="text1" name="text1"></td>
        <td><input type="text" id="text2" name="text2"></td>
        <td><input type="text" id="text3" name="text3"></td>

</tr>
<tr>
    <td>2</td>
    <td>Class XII</td>
    <td><input type="text" id="text4" name="text4"></td>
    <td><input type="text" id="text5" name="text5"></td>    <td><input type="text"
id="text6" name="text6"></td>
</tr>
<tr>
    <td>3</td>
    <td>Graduation</td>
    <td><input type="text" id="text7" name="text7"></td>
    <td><input type="text" id="text8" name="text8"></td>
    <td><input type="text" id="text9" name="text9"></td>
</tr>
<tr>
    <td>4</td>
    <td>Graduation</td>
    <td><input type="text" id="text10" name="text7"></td>
    <td><input type="text" id="text11" name="text8"></td>
    <td><input type="text" id="text12" name="text9"></td>

</tr>
</table>
</td>

</tr>

```

<tr>

<td>Courses Applied For</td>

<td>MCA<input type="radio" id="MCA">

Mtech<input type="radio" id="mtech">

MSc<input type="radio" id="msc">

PhD<input type="radio" id="phd"></td>

</tr>

<tr>

<td>Password:</td>

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

</tr>

<tr>

<td>Retype Password:</td>

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

</tr>

<tr>

<td>Upload your photo:</td>

<td><input type="file" id="photo" name="photo"></td>

</tr>

<tr>

<td>Date Of TC:</td>

<td><select>

<option value="0">Day</option>

<option value="1">1</option>

<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>

```

<option value="30">30</option>
</select>
<select>
<option value="0">Month</option>
  <option value="1">1</option>
  <option value="2">2</option>
  <option value="3">3</option>
  <option value="4">4</option>
  <option value="5">5</option>
  <option value="6">6</option>
  <option value="7">7</option>
  <option value="8">8</option>
  <option value="9">9</option>
  <option value="10">10</option>
  <option value="11">11</option>
  <option value="12">12</option>
</select>
<select>
  <option value="0">Year</option>
  <option value="1">2001</option>
  <option value="2">2002</option>
  <option value="3">2003</option>
  <option value="4">2004</option>
  <option value="5">2005</option>
  <option value="6">2006</option>
  <option value="7">2007</option>
  <option value="8">2008</option>
  <option value="9">2009</option>

```

```

        <option value="10">2010</option>
        <option value="11">2011</option>
        <option value="12">2012</option>
        <option value="13">2013</option>
        <option value="14">2014</option>
        <option value="15">2015</option>
        <option value="16">2016</option>
        <option value="17">2017</option>
        <option value="18">2018</option>
        <option value="19">2019</option>
        <option value="20">2020</option>

    </select>

</td>

</tr>

<tr>

    <td colspan="2" align="center"><input type="submit" value="submit">
    <input type="submit" value="Reset"></td>

</tr>

</table>

</form>

</body>

</html>

```

Output:

Registration Form

First Name:	<input type="text"/>			
Second Name:	<input type="text"/>			
Date of Birth:	Day ▼	Month ▼	Year ▼	
Email id:	<input type="text"/>			
Phone No:	<input type="text"/>			
Gender:	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others			
Address:	<input type="text"/>			
City:	<input type="text"/>			
Pincode:	<input type="text"/>			
State:	<input type="text"/>			
Country:	India			
Hobbies:	Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Running <input type="checkbox"/> Others <input type="checkbox"/> <input type="text"/>			
Qualification	SlNo:	Examination:	Board:	Percentage:
	1	Class X	<input type="text"/>	<input type="text"/>
	2	Class XII	<input type="text"/>	<input type="text"/>
	3	Graduation	<input type="text"/>	<input type="text"/>
	4	Graduation	<input type="text"/>	<input type="text"/>
Courses Applied For	MCA <input type="radio"/> Mtech <input type="radio"/> MSc <input type="radio"/> PhD <input type="radio"/>			
Password:	<input type="password"/>			
Retype Password:	<input type="password"/>			
Upload your photo:	<input type="button" value="Choose File"/> No file chosen			
Date Of TC:	Day ▼	Month ▼	Year ▼	
<input type="button" value="submit"/> <input type="button" value="Reset"/>				

Course Outcome (CO2)

Program No:1

DATE:03/11/2023

Predefined Functions

AIM : Create a HTML JS page to explain the use of various predefined functions in a string to print a name and find the length of a string. Also display PI, rounded min and power value of integer using math object in java script.

Source code :

```
<html>
<head>
<title>Javascript</title> <script
type="text/javascript">

    function dname()
    {
        var name=document.getElementById("name").value;
        document.write("The entered name is:"+name+"<br");
        document.write("The entered length is:"+name.length+"<br>");
    }

    function maths()
    {
        var a=document.getElementById("num").value; document.write("Round
Min:"+Math.round(a)+"<br>");
    }

    function power()
    {
```



```

        var a=document.getElementById("a").value;
        var b=document.getElementById("b").value;
        document.write("Power is:"+Math.pow(a,b)+"<br>");

    }
    function pi()
    {
        document.write("PI:"+Math.PI+"<br>");
    }
</script>
</head>
<body>
<h3>String Function</h3>
<form>
Enter name:<br><input type="text" id="name" name="name"><br>
<input type="button" onclick="dname()" value="submit"><br>
</form>
<h3>Maths Functions</h3>
<form>
<input type="button" value="Display PI" onclick="pi()"><br>
</form>

<h3><b>Round Function</b></h3><br>
<form>
Enter a number:<br><input type="number" id="num" name="num"><br>
<input type="button" value="submit" onclick="maths()"><br>
</form><br>
<h3><b>Power Function</b></h3><br>
<form>

```

```
Enter a<br><input type="number" id="a" name="a"><br>
Enter b<br><input type="number" id="b" name="b"><br>
<input type="button" value="submit" onclick="power()"><br>
</form>
</body>
</html>
```

Output:

String Function

Enter name:

The entered name is:Aromal

Maths Functions

PI:3.141592653589793

Round Function

Enter a number:

Round Min:5

Power Function

Enter a

Enter b

Power is:8

Program No : 7

Date : 03/11/2023

JavaScript Events

AIM : : Generate the calculator using JavaScript code.

Source code :

```
<html>
<head>
<title>calculator</title>
<style>    h1{
text-align:center;
padding:23px;
background-
color:skyblue;
color:white;

    }    #clear{    width:270px;
border:3px solid gray;
padding:20px;    background-
color:blue;

    }
.formstyle
{ width:300px;    height:530px;
margin:auto;    border:3px solid
skyblue;    border-radius:5px;
padding:20px;

    }    input    { width:20px;
background-color:yellow;
```

```
color:black;      border:3px solid gray;
padding:26px;      margin:5px;
font-size:15px;
```

```
    } #calc{ width:
250px; border: 5px
solid black; border-
radius: 3px;
padding: 20px;
margin: auto;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1> Calculator Program in JavaScript </h1>
```

```
<div class= "formstyle">
```

```
<form name = "form1">
```

```
<input id = "calc" type ="text" name = "answer"> <br> <br>
```

```
<input type = "button" value = "1" onclick = "form1.answer.value += '1' ">
```

```
<input type = "button" value = "2" onclick = "form1.answer.value += '2' ">
```

```
<input type = "button" value = "3" onclick = "form1.answer.value += '3' ">
```

```
<input type = "button" value = "+" onclick = "form1.answer.value += '+' ">
```

```
<br> <br>
```

```
<input type = "button" value = "4" onclick = "form1.answer.value += '4' ">
```

```
<input type = "button" value = "5" onclick = "form1.answer.value += '5' ">
```

```
<input type = "button" value = "6" onclick = "form1.answer.value += '6' ">
```

```
<input type = "button" value = "-" onclick = "form1.answer.value += '-' ">
```

```

<br> <br>

<input type = "button" value = "7" onclick = "form1.answer.value += '7' ">
<input type = "button" value = "8" onclick = "form1.answer.value += '8' ">
<input type = "button" value = "9" onclick = "form1.answer.value += '9' ">   <input type =
"button" value = "*" onclick = "form1.answer.value += '*' ">

<br> <br>

<input type = "button" value = "/" onclick = "form1.answer.value += '/' ">

<input type = "button" value = "0" onclick = "form1.answer.value += '0' ">   <input type =
"button" value = "." onclick = "form1.answer.value += '.' ">

<input type = "button" value = "=" onclick = "form1.answer.value = eval(form1.answer.value) ">
<br>

<input type = "button" value = "Clear All" onclick = "form1.answer.value = ' ' " id= "clear">

<br>

</form>

</div>

</body>

</html>

```

Output:

Calculator Program in JavaScript

1

2

3

+

4

5

6

-

7

8

9

*

/

0

.

=

Clear All

Form Validation

AIM : Create a HTML registration form and perform JavaScript Form Validation using the Job Application Registration Form.

Source code :

```
<html>

  <head><title>registration form</title></head>

  <body >


<script> function
validate()

{
    var firstName = document.getElementById('firstName').value;
var lastName = document.getElementById('lastName').value;
var email = document.getElementById('email').value;    var
password = document.getElementById('password').value;    var
zipcode = document.getElementById('zipcode').value;    var
nameRegex = /^[a-zA-Z]{2,}$/;

    var emailRegex = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
var passwordRegex = /^(?=.*[A-Za-z])(?=.*\d)[A-Za-z\d]{6,12}$/;    var
zipcodeRegex = /^\d{6}$/;

    var firstNameResult = nameRegex.test(firstName);
var lastNameResult = nameRegex.test(lastName);    var
emailResult = emailRegex.test(email);    var
passwordResult = passwordRegex.test(password)    var
```

```
zipcodeResult = zipcodeRegex.test(zipcode);;
if(firstNameResult == false)
{
    alert('Please enter a valid first name');
return false;

}
if(lastNameResult == false)
{
    alert('Please enter a valid last name');
return false;

}
if(emailResult == false)
{
    alert('Please enter a valid email');
return false;

}
if(passwordResult == false)
{
    alert('Please enter a valid password');
return false;

}
if(zipcodeResult == false)
{
    alert('Please enter a valid Pin code');
return false;

}
```



```

    alert('Form submitted successfully!');
}
</script>

<form id="validationForm" onsubmit="validate()" >
    <table border="2">
        <tr ><td align="center" colspan="2"><b>Registration Form</b></td></tr>
        <tr>
            <td>FIRST NAME</td>
            <td><input type="text" id="firstName" name="firstName" pattern="^[a-zA-Z]{2,}$"
title="First name must contain only letters and be at least 2 characters long."
></td>
        </tr>
        <tr></tr>
        <tr>
            <td>LAST NAME</td>
            <td><input type="text" id="lastName" name="lastName" pattern="^[a-zA-Z]{2,}$"
title="Last name must contain only letters and be at least 2 characters long." ></td>
        </tr></tr>
        <tr>
            <td>DATE OF BIRTH</td>
            <td aria- ="true">
                <select name="day">
                    <option value="1">1</option>
                    <option value="2">2</option>
                    <option value="3">3</option>
                    <option value="4">4</option>
                    <option value="5">5</option>
                    <option value="6">6</option>
                    <option value="7">7</option>
                    <option value="8">8</option>

```

```
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
<select name="month">
  <option value="jan">january</option>
  <option value="jan">february</option>
  <option value="jan">march</option>
```

```

<option value="jan">april</option>
<option value="jan">may</option>
<option value="jan">june</option>
<option value="jan">july</option>
<option value="jan">august</option>
<option value="jan">september</option>
<option value="jan">october</option>
<option value="jan">november</option>
<option value="jan">december</option>
</select>
<select name="year">
  <option value="1990">1990</option>
  <option value="1991">1991</option>
  <option value="1992">1992</option>
  <option value="1993">1993</option>
  <option value="1994">1994</option>
  <option value="1995">1995</option>
  <option value="1996">1996</option>
  <option value="1997">1997</option>
  <option value="1998">1998</option>
  <option value="1999">1999</option>
  <option value="2000">2000</option>
  <option value="2001">2001</option>
  <option value="2002">2002</option>
  <option value="2003">2003</option>
  <option value="2004">2004</option>
  <option value="2005">2005</option>
  <option value="2006">2006</option>
  <option value="2007">2007</option>

```

```

        <option value="2008">2008</option>
        <option value="2009">2009</option>
        <option value="2010">2010</option>
        <option value="2011">2011</option>
        <option value="2012">2012</option>
        <option value="2013">2013</option>
        <option value="2014">2014</option>
        <option value="2015">2015</option>
        <option value="2016">2016</option>
        <option value="2017">2017</option>
        <option value="2018">2018</option>
        <option value="2019">2019</option>
        <option value="2020">2020</option>
        <option value="2021">2021</option>
        <option value="2022">2022</option>
        <option value="2023">2023</option>

    </select>

</td>

</td>

</tr>

<tr></tr>

<tr>

    <td>EMAIL</td>

    <td><input type="email" id="email" name="email" pattern="^[a-zA-Z0-9._%+]+@[a-
zA-Z0-9.-]+\.[a-zA-Z]{2,}$" title="Please enter a valid email address." >

    </td>

</tr>

<tr></tr>

```

```

<tr>
    <td>PHONE</td>
    <td><input type="text" name="phone" size="30" maxlength="14" value="+91 "></td>
</tr>
<tr></tr>
<tr>
    <td>GENDER</td>
    <td><label for="male">male</label><input type="radio" name="gender" id="male">
    <label for="female">female</label><input type="radio" name="gender" id="female">
    </td>
</tr>
<tr></tr>
<tr>
    <td>ADDRESS</td>
    <td><textarea rows="4" cols="25" id="address">
    </textarea>
    </td>
</tr>
<tr></tr>
<tr>
    <td>CITY</td>
    <td><input type="text" name="city" size="30" maxlength="20"
placeholder="City">(max 30 charecters)</td>
</tr>
<tr></tr>
<tr>
    <td>PINCODE</td>
    <td><input type="text" id="zipcode" name="zipcode" pattern="^\d{6}$" title="Indian
ZIP code must be 6 digits long." ></td>

```

```

        </tr>
    <tr></tr>
    <tr>
        <td>COUNTRY</td>
        <td><input type="text" name="lname" size="30" maxlength="20" value="INDIA"></td>
    </tr>
    <tr></tr>
    <tr>
        <td>HOBBIES</td>
        <td>
            <input value="drawing" type="checkbox" name="service"
checked="checked" /> drawing
            <input value="dancing" type="checkbox" name="service" /> dancing
            <input value="singing" type="checkbox" name="service"
                /> singing
            <input value="sketching" type="checkbox" name="service"
                /> sketching<br>
            <input value="sketching" type="checkbox" name="service"
                /> others
            <input type="text" name="Name" size="15"
maxlength="30" />
        </td>
    </tr>
    <tr></tr>
    <tr>
        <td>QUALIFICATION</td>
        <td><table>
            <tr>

```

<td>Sl.no</td>
<td>Examination</td>
<td>Board</td>
<td>Percentage</td>
<td>Year of passing</td>
</tr>
<tr>
<td>1</td>
<td>Class X</td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
</tr>
<tr>
<td>2</td>
<td>Class XII</td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
</tr>
<tr>
<td>3</td>
<td>Graduation</td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
<td><input type="text" size="30" maxlength="14" ></td>
</tr>
<tr>

```

        <td>4</td>

        <td>Masters</td>

        <td><input type="text" size="30" maxlength="14" ></td>

            <td><input type="text" size="30" maxlength="14" ></td>
        <td><input type="text" size="30" maxlength="14" ></td>

    </tr>

    <tr>

        <td></td>

        <td></td>

        <td>(10 char max)</td>

        <td>(upto 2 decimal)</td>

        <td></td>

    </tr>

</table></td>

</tr>

<tr></tr>

<tr>

    <td>COURSES APPLIED FOR</td>

    <td><label for="MCA">MCA</label><input type="radio" name="gender" id="MCA">

    <label for="MBA">MBA</label><input type="radio" name="gender" id="MBA">

    <label for="Phd">Phd</label><input type="radio" name="gender" id="Phd">

    <label for="Msc">Msc</label><input type="radio" name="gender" id="Msc">

    </td>

</tr>

<tr></tr>

<tr></tr>

    <td><label for="password">Password:</label></td>

```



```
<td><input type="password" id="password" name="password" pattern="^(?=.*[A-Za-z])(?=.*\d)[A-Za-z\d]{6,12}$" title="Password must be at least 8 characters long and include at least one letter and one number." >
```

```
<span id="passwordError" style="color: red;"></span></td>
```

```
</tr>
```

```
<tr></tr>
```

```
<tr>
```

```
<td colspan="2" align="center"><input type="submit" name="submit" id="submitButton" onclick="showAlert()"><input type="reset" name="reset" ></td>
```

```
</tr>
```

```
</table>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output:

FIRST NAME		Aromal		
LAST NAME				
DATE OF BIRTH		1 ▾	january ▾ 1990 ▾	
EMAIL				
PHONE		+91		
GENDER		male <input type="radio"/> female <input type="radio"/>		
ADDRESS				
CITY		City (max 30 charecters)		
PINCODE				
COUNTRY		INDIA		
HOBBIES		<input checked="" type="checkbox"/> drawing <input type="checkbox"/> dancing <input type="checkbox"/> singing <input type="checkbox"/> sketching <input type="checkbox"/> others		
QUALIFICATION	Sl.no	Examination Board	Percentage	Year of passing
	1	Class X		
	2	Class XII		
	3	Graduation		
	4	Masters		
	(10 char max)		(upto 2 decimal)	
COURSES APPLIED FOR		MCA <input type="radio"/> MBA <input type="radio"/> Phd <input type="radio"/> Msc <input type="radio"/>		
Password:				
		Submit Reset		

This page says
Please enter a valid last name
OK

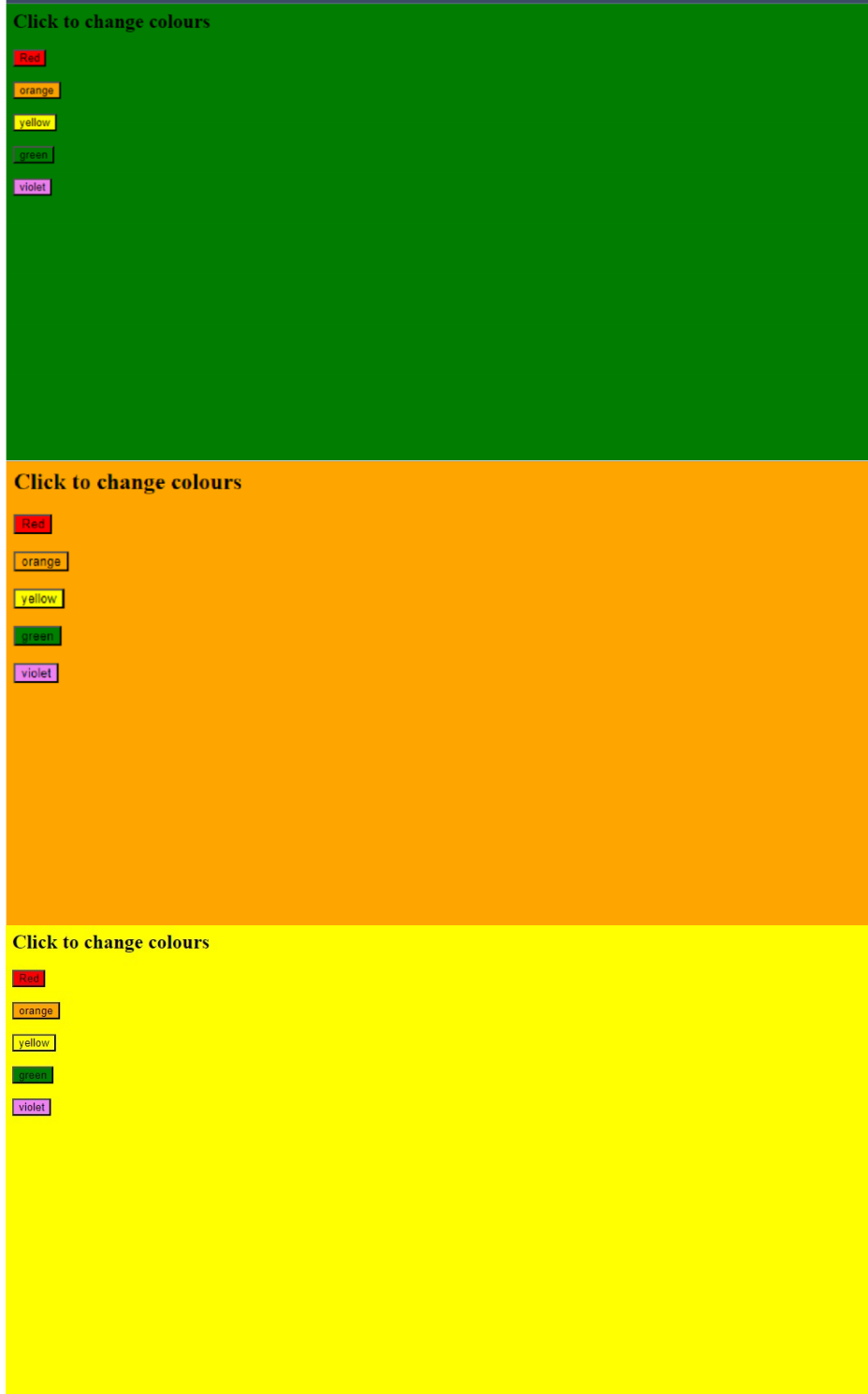
CHANGING COLORS USING JAVASCRIPT

AIM : Create HTML page to change the background colour for every click of buttons using JavaScriptEvent.

Source Code :

```
<html>
<body>
<h2>Click to change colours</h3>
<button id="b1" onclick="CBC('red')" style="backgroundcolor:red">Red</button><br><br>
<button id="b2" onclick="CBC('orange')"
style="backgroundcolor:orange">orange</button><br><br>
<button id="b1" onclick="CBC('yellow')"
style="backgroundcolor:yellow">yellow</button><br><br>
<button id="b2" onclick="CBC('green')" style="backgroundcolor:green">green</button><br><br>
<button id="b3" onclick="CBC('violet')"
style="backgroundcolor:violet">violet</button><br> <script
type="text/javascript"> function CBC(color){
document.body.style.backgroundColor=color;
}
</script>
</body>
</html>
```

Output:



Program No : 10

Date : 17/11/2023

Mouse Event

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

Source Code :

```
<html>
<head>
<style>
#container{
    width:300px;
    height:300px;
    background-color:green;
    text-align:center;
    padding:20px;
}
#newcontent{
    display:none;
}
#initialimage{ display:block;
}
</style>
</head>
<body>
    <div id="container">
```

```
<div id="initialimage">

  
  <p>I am a Dog</p>

</div>

<div id="newcontent">

  <p>I am a Cat</p>

</div>

</div>

<script>

  const container=document.getElementById("container");
const initialimage=document.getElementById("initialimage");
const newcontent=document.getElementById("newcontent");
container.addEventListener("mouseenter",function(){
initialimage.style.display="none"; newcontent.style.display="block"

});
container.addEventListener("mouseleave",function(){
initialimage.style.display="block"; newcontent.style.display="none"

});
</script>

</body>

</html>
```

Output:



I am a Dog



I am a Cat

Online Examination

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

Source code :

```
<html>

<head>

<title> Online Examination </title>

<style type="text/css">

div#test{ border:#000 1px solid; padding:10px 40px 40px 40px; width:640px; margin:auto; border-
radius:12px; background-color: blue; color: white;}

</style>

<center><h1 style="background-color: blue; color: white;">SNGCE Online Examination
System</h1></center>

<script language="javascript" type="text/javascript" src="script.js"></script>

</head>

<body>

    <h2 id="test_status" style="text-align:center;"></h2>

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

</body>

</html>
```

script.js

```
var pos = 0, test, test_status, questions, choice, choices, chA, chB, chC, correct = 0; var
questions = [ ["Who created python flask?", "Armin Ronacher", "Jude Suares", "Adrian
```



```

Mercurio", "A" ],["Who created javascript?", "Brendan Eich", "Kimmy Matillano", "Saxon
Ong", "A"], ["Who created java?", "James Gosling", "Princely Ceasar", "July King
Kadayuna", "A"],["Who created c# language?", "Microsoft Corporation", "Google
Company", "You Tube Corporation", "A"],["Who created php?", "Rasmus Lerdorf", "Grace
Patulada", "Nikko Curaza", "A"],["Who created itsourcecode.com?", "Charlotte Villanueva",
"Joken Villanueva", "Niko Embang", "B"], ["Who created laravel?", "Boknoi Villaflor",
"Taylor Otwell", "Ryan Manaay", "B"], ["Who created database?", "Edgar Frank Codd",
"Paul Niar", "Given Bariacto", "A"],["Who created c++ language?", "Kirk Eriman", "Bjarne
Stroustrup", "Jomhel Dulla", "B"],["Who created c language?", "Dennis Ritchie", "Daniel Bandiola",
"Carlan Pellobello", "A"] ];

```

```

function _(x){
    return document.getElementById(x);
}

function renderQuestion(){
    test = _("test");
    if(pos >= questions.length){

test.innerHTML = "<h3>You got "+correct+" of "+questions.length+" questions correct</h3>";
        _("test_status").innerHTML = "Exam Completed";
        pos = 0;
        correct =0;
        return false;

    }

    _("test_status").innerHTML = "Question "+(pos+1)+" of "+questions.length;
    question = questions[pos][0];          chA = questions[pos][1];
    chB = questions[pos][2];          chC = questions[pos][3];

    test.innerHTML = "<h3>"+question+"</h3>";
    test.innerHTML += "<input type='radio' name='choices' value='A'>
"+chA+"<br>";

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

```

```

        test.innerHTML += "<input type='radio' name='choices' value='C'>
"+chC+"<br><br>";
        test.innerHTML += "<button onclick='checkAnswer()'>Submit Answer</button>";

    }

    function checkAnswer(){
        choices = document.getElementsByName("choices");
        for(var i=0; i<choices.length; i++){
            if(choices[i].checked){
                choice =
choices[i].value;

                }

            }

            if (choice == questions[pos][4]){
                correct++;

            }

            pos++;

            renderQuestion();

        }

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

```

Output:

SNGCE Online Examination System

Question 2 of 10

Who created javascript?

- ☐ Brendan Eich
- ☐ Kimmy Matillano
- ☐ Saxon Ong

Submit Answer

Course Outcome (CO3)

Program No: 12

Date: 23/11/2023

LOGIN FORM

AIM: Create login form using database.

Source code:

17.1. php

```
<?php
ob_start();
session_start();
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>
<body>
<center>
<h1><b><u>LOGIN</u></b></h1>
<form id="form1" name="form1" method="get" action="">
<table width="200" border="1">
<tr>
<td>UserName</td>
<td><input name="txt1" type="text" id="txt1" /></td>
</tr>
<tr>
<td>Password</td>
<td><input name="txt2" type="password" id="txt2" /></td>
</tr>
<tr>
```

```

        <td colspan="2" align="center"><input type="submit" name="Submit"
value="Submit" /></td>
    </tr>
</table>
</form>
</body>

```

```

<?php
if(isset($_GET['Submit']))
{
$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = "";
$db='test';
$t1=$_GET['txt1'];
$t2=$_GET['txt2'];
$con=new mysqli($dbhost,$dbuser,$dbpass,$db);
$query="select uname,password from login where uname='$t1' and password='$t2'";
$result=$con->query($query);
if($rw=$result->fetch_row())
{
    $_SESSION["username"]=$rw[0];
    header("location:17.2.php");
}
else
{
    echo "Invalid";
    include_once "17.1.php";
}
}
?>
</html>

```

17.2. php

```

<?php
session_start();
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title>Untitled Document</title>
</head>
<body>
<form id="form1" name="form1" method="get" action="">
</form>
</body>
<?php
$name=$_SESSION['username'];
echo "WELCOME ".$name;
?>Click here to<a href="17.1.php" title="Logout">Logout.
</html>

```

17.3. php

```

<?php
session_start();
unset($_SESSION["username"]);
include_once "17.1.php";

```

Output:

LOGIN

UserName	<input type="text"/>
Password	<input type="password"/>
<input type="submit" value="Submit"/>	

WELCOME user1. Click here to [Logout](#)

STUDENT DETAILS

AIM: Write a php program to accept student details and store it into database, also display the details from database

Source Code:

18.1. php

```
<!DOCTYPE html>
<html>
<head>
<title>Student Input</title>
</head>
<style type="text/css">
body
{
    font-family: sans-serif;
}
.box
{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%,-50%);
    width: 300px;
    height: 350px;
    background-color:#f3f3f3;
    border-radius: 15px;
    text-align: center;
}
input
{
    width: 200px;
    height: 40px;
    border: solid 1px black;
}
.insert
{
    width: 100px;
```

```

        height: 40px;
        border: none;
        background-color: red;
        color: white;
    }
</style>
<body>
<center>
<div class="box">
<form action="18.1.php" method="post">
<h2>STUDENT DETAILS</h2>
    <input type="number" name="rollno" required autocomplete="off"
placeholder="Enter your Roll Number"><br><br>
    <input type="text" name="name" required autocomplete="off" placeholder="Enter
your Name"><br><br>
    <input type="number" name="mark" required autocomplete="off"
placeholder="Enter your Marks"><br><br>
    <input type="submit" name="submit" value="INSERT" class="insert">
</form>
</div>
</center>
</body>
</html>
<?php
$conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
if(!empty($_POST))
{
    $name=$_POST['name'];
    $rollno=$_POST['rollno'];
    $mark=$_POST['mark'];
    $q="insert into studentdetails(rollno,name,mark)values('$rollno','$name','$mark')";
if(mysqli_query($conn,$q)==true)
{
    header("location:18.2.php");
}
}
?>

```

18.2. php

```

<!DOCTYPE html>
<html>
<head>

```

```

<title></title>
</head>
<style type="text/css">
body
{
    font-family: sans-serif;
}
table
{
    background-color:#f3f3f3;
    width: 50%;
    text-align: center;
    border-radius: 15px;
}
th
{
    background-color: skyblue;
    color: white;
    border-radius: 5px;
    height: 30px;
}
td
{
    background-color: white;
    color: black;
    border-radius: 5px;
    height: 30px;
}
</style>
<body>
<center>
<h2>STUDENT DETAILS</h2>
<table align="center">
<tr>
    <th>ROLL NO.</th>
    <th>NAME</th>
    <th>MARKS</th>
</tr>
<?php
$conn=mysqli_connect("localhost","root","","test")or die("unable to connect!!");
$select = "select * from studentdetails ORDER BY `rollno`";
$result =mysqli_query($conn,$select);
while($row = mysqli_fetch_assoc($result)){
?>

```

```

<tr>
    <td><?php echo $row["rollno"]; ?></td>
    <td><?php echo $row["name"]; ?></td>
    <td><?php echo $row["mark"]; ?></td>
</tr>

```

```

<?php
}
?>
</table>
</center>
</body>
</html>

```

Output:

STUDENT DETAILS

01

USER

57

INSERT

STUDENT DETAILS		
Roll Number	Name	Mark
01	USER	57

Course Outcome (CO4)

Program No: 14

Date: 29/11/2023

REGISTRATION FORM

AIM: Write a script to generate a registration form

Source Code:

```
<html>
<head><center><b><h1><u>REGISTRATION FORM</u></h1></b></center></head>
<body>
<form action="registration.php" method="POST">
<center>
<table border="2" cellspacing="10" cellpadding="10">
<tr>
<td>FIRST NAME:</td>
<td><input type="text" name="txt1"></td>
</tr>
<tr>
<td>LAST NAME:</td>
<td><input type="text" name="txt2"></td>
</tr>
<tr>
<td>PASSWORD:</td>
<td><input type="password" name="pwd"></td>
</tr>
<tr>
<td>AGE:</td>
<td><input type="text" name="txt3"></td>
```

```

</tr>

<tr>

    <td>ADDRESS:</td>

    <td><input type="text" name="txt4"></td>

</tr>

<tr>

    <td>GENDER:</td>

    <td><input type="radio" name="rd" value="male">Male</td>

    <td><input type="radio" name="rd" value="female">Female</td>

</tr>

    <td>LANGUAGES KNOWN:</td>

    <td><input type="checkbox" name="chk[]" value="PHP">PHP</td>

    <td><input type="checkbox" name="chk[]" value="C">C</td>

    <td><input type="checkbox" name="chk[]" value="CPP">CPP</td>

    <td><input type="checkbox" name="chk[]" value="JAVA">JAVA</td>

</tr>

<center><td rowspan="2"><input type="submit" name="submit"
value="submit"></td></center>

</table>

</center>

</form>

</body>

</html>

```

registration.php

```

<?php
echo "<b><u><font size=4><u>REGISTRATION FORM</u></font></u></b><br><br>";

```

```
$fname=$_POST['txt1'];
$lname=$_POST['txt2'];
$age=$_POST['txt3'];
$addr=$_POST['txt4'];
echo "NAME: $fname $lname<br>";
echo "AGE: $age<br>";
echo "ADDRESS: $addr<br>";
$r=$_POST['rd'];
if($r=="male")
    echo "GENDER: Male<br>";
else
    echo "GENDER: Female<br>";
echo "LANGUAGES KNOWN: ";
foreach($_POST['chk'] as $selected)
{
    echo $selected."<br>";
}
?>
```

Output:

REGISTRATION FORM

First name:	<input type="text" value="samuel"/>			
Last name:	<input type="text" value="biju"/>			
Password:	<input type="password" value="...."/>			
Age:	<input type="text" value="24"/>			
Address:	<input type="text" value="kunnumpuram"/>			
Gender:	<input checked="" type="radio"/> Male	<input type="radio"/> Female		
Languages known:	<input checked="" type="checkbox"/> PHP	<input checked="" type="checkbox"/> C	<input checked="" type="checkbox"/> CPP	<input type="checkbox"/> JAVA
<input type="button" value="submit"/>				

REGISTRATION FORM

Name: samuel biju

Age: 24

Address:kunnumpuram

Gender:Male

Languages Known:

PHP

C

CPP

ELECTRICITY BILL

AIM: Compose Electricity bill from user input based on a given tariff.

Source Code:

```
<?php
session_start();
$amount=0;
$usg="";
$dt="";
$temp="";
if (isset($_POST['view_bill']))
{
    $usg=$_POST['usage'];
    if($usg<=60)
    {
        $amount=$amount+$usg*3;
    }
    else if($usg>60 && $usg<=160)
    {
        $amount=60*3;
        $temp=$usg-60;
        $amount=$amount+$temp*4.40;
    }
    else if($usg>160 && $usg<=260)
    {
        $amount=60*3+100*4.40;
        $temp=$usg-160;
        $amount=$amount+$temp*5.20;
    }
    else
    {
        $amount=60*3+100*4.40+100*5.20;
        $temp=$usg-260;
        $amount=$amount+$temp*6.60;
    }
}
?>
```

<!DOCTYPE html>

```

<html>
<head>
<title>electricity</title>
<link rel="stylesheet" type="text/css" href="16.css">
</head>
<body>
<div class="header">
    <h2>BILL</h2>
</div>
<form method="post" action="">
<div class="input-group">
    <label>USAGE(unit)</label>
    <input type="text" name="usage" value="<?php echo $usg ?>" required>
</div>
<div class="input-group">
    <label>AMOUNT</label>
    <input type="text" name="amount" value="<?php echo $amount ?>">
</div>
<div class="input-group">
    <input type="submit" class="btn" name="view_bill" style="margin-left:
10PX;" value="View Bill..">
</div>
</form>
</body>
</html>

```

16.CSS

```

*{
    margin: 0px;
    padding: 0px;
}
body
{
    font-size: 120%;
    background: #F8F8FF;
}
.header
{
    width: 30%;
    margin: 50px auto 0px;
}

```

```

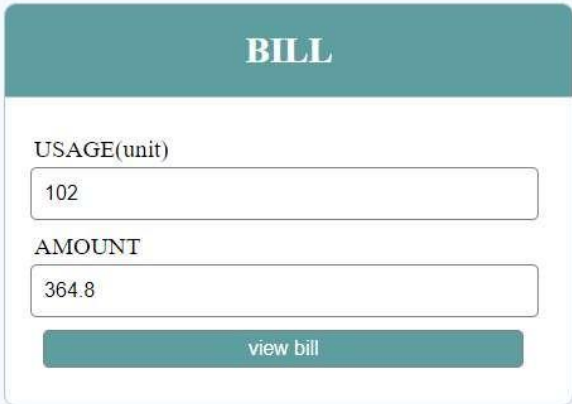
        color: white;
        background: #5F9EA0;
        text-align: center;
        border: 1px solid #B0C4DE;

        border-bottom: none;
        border-radius: 10px 10px 0px 0px;
        padding: 20px;
    }
    form, .content
    {
        width: 30%;
        margin: 0px auto;
        padding: 20px;
        border: 1px solid #B0C4DE;
        background: white;
        border-radius: 0px 0px 10px 10px;
    }
    .input-group
    {
        margin: 10px 0px 10px 0px;
    }
    .input-group label
    {
        display: block;
        text-align: left;
        margin: 3px;
    }
    .input-group input
    {
        height: 30px;
        width: 93%;
        padding: 5px 10px;
        font-size: 16px;
        border-radius: 5px;
        border: 1px solid gray;
    }
    .btn
    {
        padding: 10px;
        font-size: 15px;
        color: white;
        background: #5F9EA0;
        border: none;
    }

```

```
        border-radius: 5px;
    }
    .error
    {
        width: 92%;
        margin: 0px auto;
        padding: 10px;
        border: 1px solid #a94442;
        color: #a94442;
        background: #f2dede;
        border-radius: 5px;
        text-align: left;
    }
    .success
    {
        color: #3c763d;
        background: #dff0d8;
        border: 1px solid #3c763d;
        margin-bottom: 20px;
    }
}
```

Output:



The image shows a web form titled "BILL" with a teal header. Below the header, there are two input fields. The first field is labeled "USAGE(unit)" and contains the value "102". The second field is labeled "AMOUNT" and contains the value "364.8". Below these fields is a teal button labeled "view bill". The form is set against a light blue background.