



ACHARYA INSTITUTE OF GRADUATE STUDIES
(NAAC Re-Accredited and Affiliated to Bengaluru City University)
Soladevanahalli, Bengaluru-560107

CA-C20L - INTERNET TECHNOLOGIES LAB

1. Demonstrate E-Mail working (Sending ,Receiving, forward)
2. How to create, organize meeting in Zoom/ GoogleMeet
3. Create a form by using various attributes of the input tags (text box, multiline textbox, option button, check box)
4. Create a simple HTML page by using some of the basic tags (hyperlink, marquee, image)
5. Create a web page with multiple types of style sheet used in a single page
6. Write a CGI sample program to send output back to the user
7. Create Time-Table using table tag
8. Creation of Frames in browser window using HTML.
9. Write a java script program to create dialogue boxes using alert, confirm and prompt methods
10. Write a java script program on Form Validations.
11. Write a java script program to perform four arithmetic operations: Addition, Subtraction, Multiplication and Division on two numbers.
12. Create a web site of our College.

Program 1


AIM

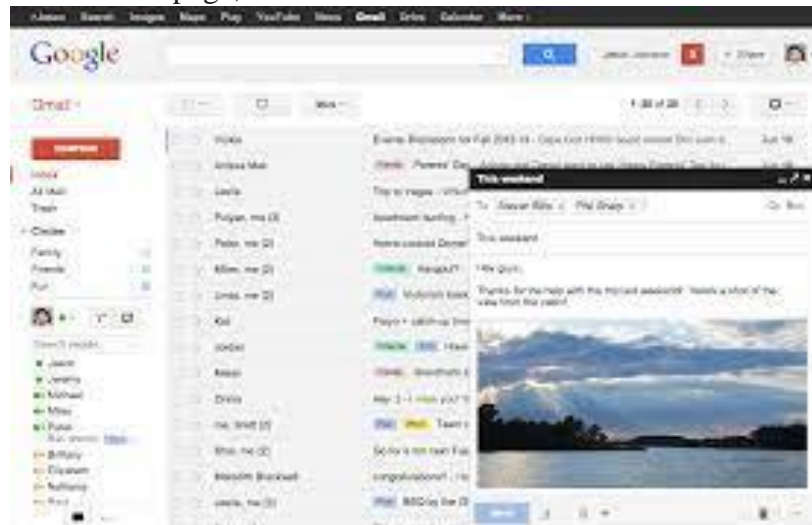
Demonstrate e-mail working (Sending, Receiving, forward)

DESCRIPTION

Email is electronic mail, the most reliable and legal mode of communication that uses electronic devices and data transmission to deliver messages across different computer networks to one or a group of recipients in the internet.

SENDING AND RECEIVING OF E-MAIL

1. At the top left, click  Compose.
2. In the "To" field, add recipients. You can also add recipients:
 - a. In the "Cc" and "Bcc" fields.
 - b. When you compose a message, with a "+" sign" or "@mention" and the contact's name in the text field.
3. Add a subject.
4. Write your message.
5. At the bottom of the page, click **Send**.



RECEIVING OF EMAIL

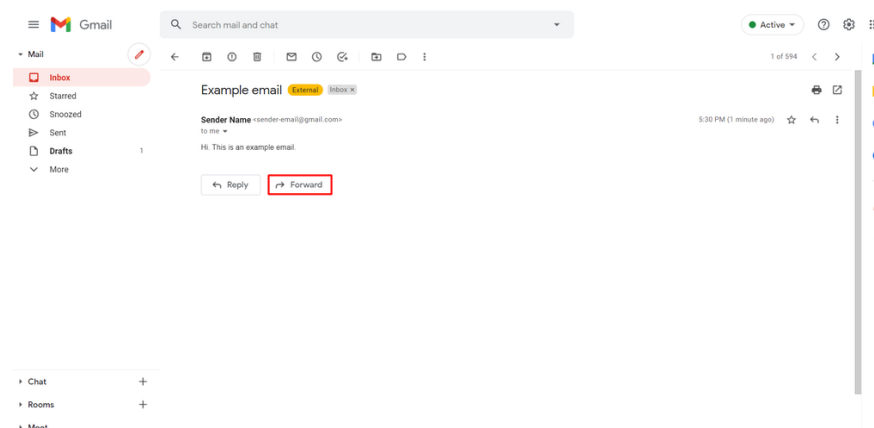
1. Click Inbox in the navigation sidebar
2. Click the tab you want to view.
3. Important messages should be on the Primary tab; other messages might be on the Social, Promotions, Updates, or Forums tabs.
4. All unread messages are displayed in bold against a white background.
5. Messages you've read are displayed in nonbold type against a shaded background.

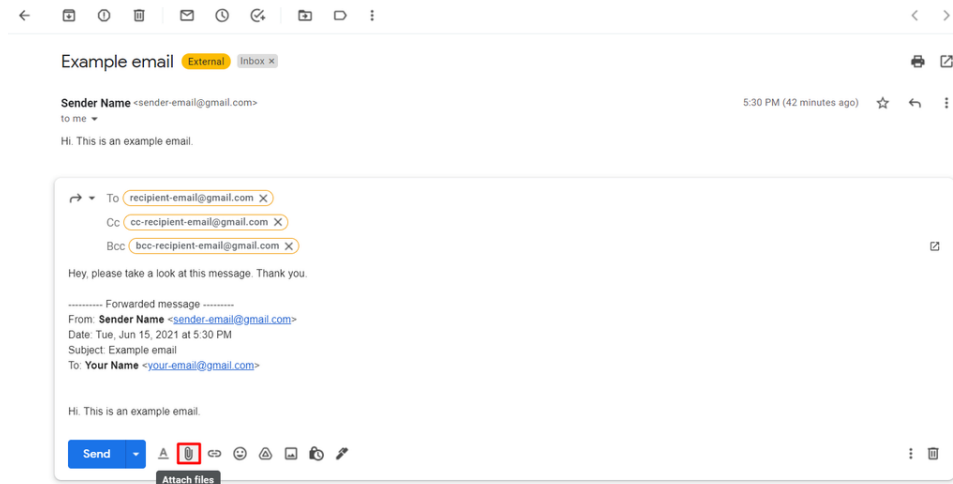
6. All messages in your inbox show the sender's name, a message subject, a short snippet of message text, and the date on which the message was sent.



FORWARD AN EMAIL MANUALLY

1. Log into your Gmail account, navigate to the menu bar, and click **Inbox**.
2. Find and open the email message you want to forward to someone.
3. Click the **Forward** button.
4. Enter the email address of the recipient in the **To** field. If you want to add more than one address, separate them with commas.
5. You can also add **Cc** (carbon copy) and **Bcc** (blind carbon copy) recipients by clicking the respective button.
6. If you need to write a message above the forwarded email, do so above the Forwarded message text in the body of the email.
7. If the message you want to forward contains an attachment and you wish to remove it, simply click the **x** button next to the attachment. Conversely, if you want to add a new attachment, click on the **Attach files** symbol, as shown below.
8. Once you've finished editing the message, click the **Send** button.





Program 2









AIM

How to create, organize meeting in zoom or google meet

DESCRIPTION

Google Meet is a video conferencing service that enables you to join virtual meetings via audio, video, chat, and screen sharing with up to 100 people with no time limits.

Steps

1. Go to the [Play Store](#).
2. Download and install the Google Meet app .
3. On your device, to open the app, tap the Google Meet app .
4. Open the Meet app .
5. At the bottom right, tap New .
6. Tap  Create a new meeting.
 - a. To share a meeting link, select an option:
 - i. Copy 
 1. You can email or text the link.
 - ii. Share 
 - b. To join a meeting you created, tap Join meeting .

Secure video conferencing for everyone

Connect, collaborate, and celebrate from anywhere with
Google Meet

[New meeting](#)[Learn more about Google Meet](#)

Get a link you can share

Click **New meeting** to get a link you can send to
people you want to meet with

...

Here's the link to your meeting

Copy this link and send it to people that you
want to meet with. Make sure that you save
it so that you can use it later, too.

meet.google.com/bjv-ctsf-eet



Share invitation

Program 3

AIM

Create a form by using various attributes of the `<input>` tags. (TextBox, Multiline textBox, Option Button, CheckBox)

DESCRIPTION

HTML Forms are used to send data across the web and are often used as contact form to convert information input by a user into Leads. HTML forms includes many inputs like text, password, file, radio, checkbox etc. The elements used in HTML form are form tag as parent, input, textarea, select, button and label.

Script

```
<html>
```

```
<head>
```

```
<title>Forms in HTML</title>
```

```
</head>
```

```
<body>
```

```
<form>
```

```
<h1>FORM</h1>
```

```
<table>
```

```
<tr>
```

```
<td>
```

First Name:

```
</td>
```

```
<td>
```

```
<input type="text" id="fname" maxlength="10">
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
<label>Age:
```

```
</td>
```

```
<td>
```

```
<input type="text" id="age" maxlength="3"> </label>
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>
```

```
<label>Address:</label>
```

```
</td>
```

```
<td>
<textarea rows="4" cols="21"></textarea>
</td>
</tr>
<tr>
<td>
<label>Pincode:
</td>
<td>
<input type="text" size="6" maxlength="6"></label>
</td>
</tr>
<td>Gender:
</td>
<td>
<input type="radio" name="gender" id="male">
<label for="male">Male</label>
<input type="radio" name="gender" id="female">
<label for="female">Female</label><br></td>
</tr>
<tr>
<td>
<label>Place:</label>
</td>
<td>
<select>
<option selected disabled>--Select City--</option>
<option>Karnataka</option>
<option>Kerala</option>
```

```

        <option>Andra Pradesh</option>
        <option>Tamil Nadu</option>
    </select>
</td>
</tr>
<tr>
<td>Hobbies:
</td>
<td>
<input type="Checkbox" name="H1" id="r">Reading
<input type="Checkbox" name="H2" id="w">Writing
<input type="Checkbox" name="H3" id="c">Cooking
</tr>
<tr>
<td><input type="submit"></td>
</tr>
</table>
</form>
</body>
</html>

```

FORM

First Name:
 Age:
 Address:
 Pincode:
 Gender: ☐ Male ☐ Female
 Place:
 Hobbies: ☐ Reading ☐ Writing ☐ Cooking

Program 4

AIM

Create a simple HTML page by using some of the basic tag (hyperlink, marquee, image)

DESCRIPTION

```
<html>

<head>

<title>Simple html page by using some of basic tags

</title>

</head>

<body>

<!--To create a marquee-->

<marquee direction="left" width="60%" height="100px" scrollamount="5">Welcome to my
home page</marquee>

<!--To create a hyperlink-->

<a href="homepage.html">Click on</a><pre>

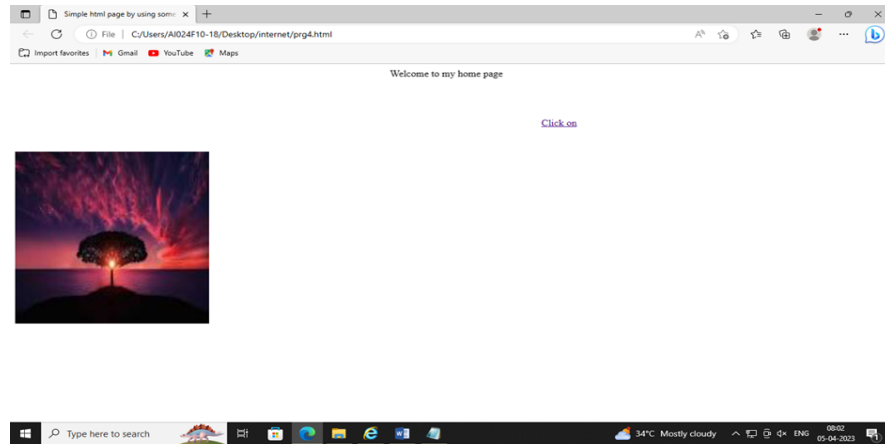
</pre>

<!--To include an image in webpage-->



</body>

</html>
```



Program 5

AIM

Create a webpage with multiple types of style sheet used in a single page.

DESCRIPTION

CSS stands for Cascading Style Sheets.

CSS saves a lot of work. It can control the layout of multiple web pages all at once.

Program

```
<html>
```

```
<head>
```

```
<style>
```

```
h1 {
```

```
    color: blue;
```

```
    font-family: verdana;
```

```
    font-size: 300%;
```

```
}
```

```
p {
```

```
    color: red;
```

```
    font-family: courier;
```

```
    font-size: 160%;
```

```
}
```

```
ol {
```

```
color: green;

font-size: 120%;

}

</style>

</head>

<body>

<h1>Cascading Style Sheet</h1>

<p>Cascading Style Sheet (CSS) is used to set the style in web pages that contain HTML
elements. It sets the background color, font-size, font-family, color, ... etc. properties of
elements on a web page.

There are three types of CSS which are given below:

<ol>

<li>Inline CSS

<li>Internal or Embedded CSS

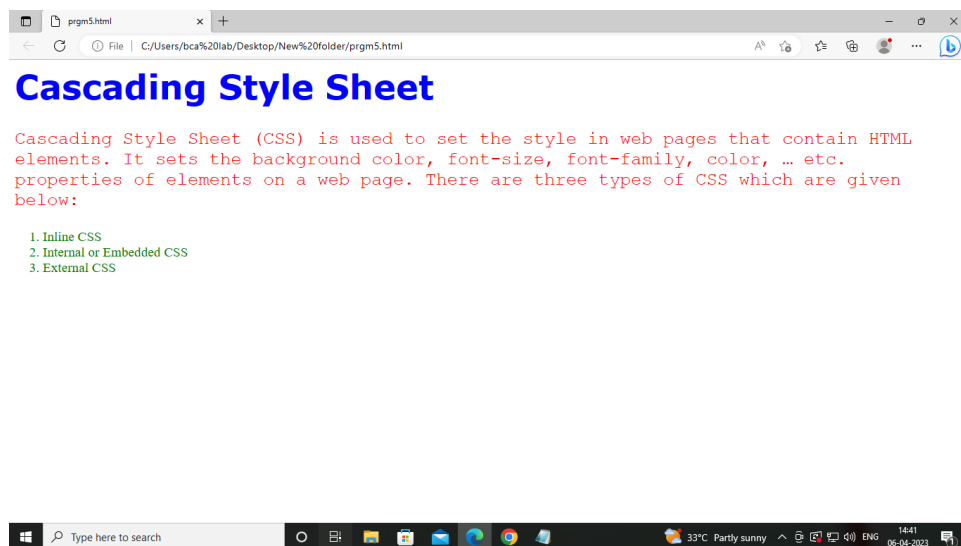
<li>External CSS

</ol>

</p>

</body>

</html>
```



Program 7

AIM

Create Time-Table using table tag.

DESCRIPTION

```
<html>
<body>
  <h1><center>TIME TABLE</center></h1>
  <table border="5" cellspacing="0" align="center">
    <tr>
      <td align="center" height="50" width="100"><br>
        <b>Day/Period</b></td>
      <td align="center" height="50" width="100">
        <b>I<br>9:00-10:00</b>
      </td>
      <td align="center" height="50" width="100">
        <b>II<br>10:00-11:00</b>
      </td>
      <td align="center" height="50" width="100">
        <b>III<br>11:10-12:00</b>
      </td>
      <td align="center" height="50" width="100">
        <b>12:00-01:00</b>
      </td>
      <td align="center" height="50" width="100">
        <b>IV<br>01:00-02:00</b>
      </td>
      <td align="center" height="50" width="100">
```

V 02:00-3:00			
VI 03:00-4:00			
VII 4:00-4:45			
Monday	SE	DAA	IT
	L U N C H		
	LAB		
	DAA LAB		
Tuesday	LAB		
	IT		
	DAA		

```

<td align="center" height="50">SE</td>
<td align="center" height="50">SPORTS</td>
</tr>
<tr>
<td align="center" height="50">
<b>Wednesday</b>
</td>
<td align="center" height="50">SE</td>
<td align="center" height="50">DAA</td>
<td align="center" height="50">IT</td>
<td align="center" height="50">DAA</td>
<td colspan="3" align="center" height="50">LIBRARY
</td>
</tr>
<tr>
<td align="center" height="50">
<b>Thursday</b>
</td>
<td align="center" height="50">DAA</td>
<td align="center" height="50">IT</td>
<td align="center" height="50">SE</td>
<td colspan="3" align="center" height="50">LAB
</td>
<td align="center" height="50">IT</td>
</tr>
<tr>
<td align="center" height="50">
<b>Friday</b>
</td>

```

```
<td colspan="3" align="center" height="50">LAB
</td>
<td align="center" height="50">IT</td>
<td align="center" height="50">SE</td>
<td align="center" height="50">DAA</td>
<td align="center" height="50">Phy</td>
</tr>
<tr>
<td align="center" height="50">
<b>Saturday</b>
</td>
<td align="center" height="50">SE</td>
<td align="center" height="50">DAA</td>
<td align="center" height="50">IT</td>
<td colspan="3" align="center" height="50">LIBRARY
</td>
<td align="center" height="50">SPORTS</td>
</tr>
</table>
</body>
</html>
```

TIME TABLE

Day/Period	I 9:00-10:00	II 10:00-11:00	III 11:10-12:00	12:00-01:00	IV 01:00-02:00	V 02:00-3:00	VI 03:00-4:00	VII 4:00-4:45
Monday	SE	DAA	IT	L U N C H	LAB			DAA LAB
Tuesday	LAB				IT	DAA	SE	SPORTS
Wednesday	SE	DAA	IT		DAA	LIBRARY		
Thursday	DAA	IT	SE		LAB			IT
Friday	LAB				IT	SE	DAA	Phy
Saturday	SE	DAA	IT		LIBRARY			SPORTS

Program 8

AIM

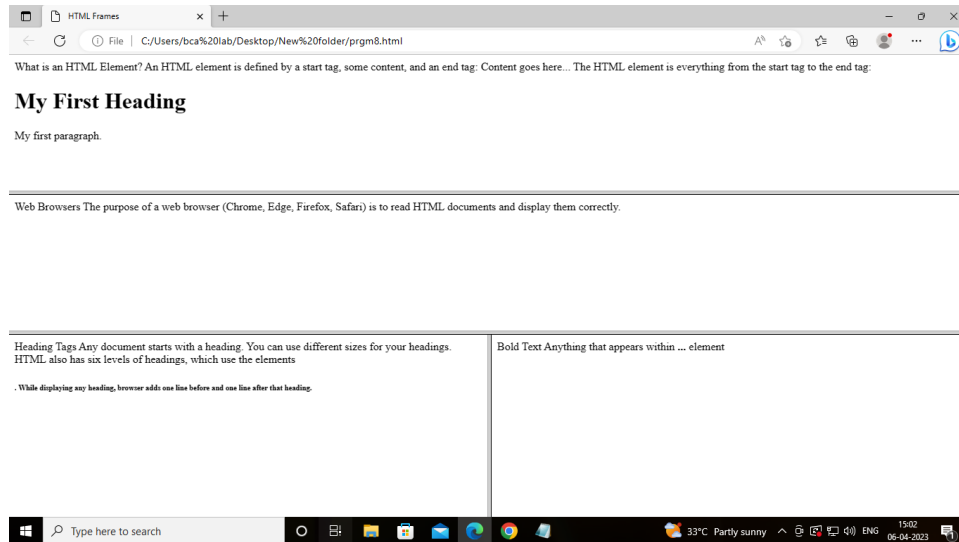
Creation of Frames in browser window using html.

DESCRIPTION

```

<html>
<head>
<title>HTML Frames</title>
</head>
<frameset rows = "30%,30%,*">
  <frame name = "top" src = "first.html" />
  <frame name = "main" src = "sec.html" />
  <frameset cols = "50%,50%">
    <frame name = "bottom" src = "third.html" />
    <frame name = "bottom" src = "five.html" />
  </frameset>
</frameset>
</html>

```

Program 9

AIM

Write a JavaScript program to create dialogue boxes using alert, confirm and prompt methods

DESCRIPTION

JavaScript provides built-in global functions to display popup message boxes for different purposes.

- alert(message): Display a popup box with the specified message with the OK button.
- confirm(message): Display a popup box with the specified message with OK and Cancel buttons.
- prompt (message, defaultValue): Display a popup box to take the user's input with the OK and Cancel buttons.

Alert.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Show Alert
```

```
</title>
```

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

```
</head>
<body>
<p> This is demo for showing JavaScript Pop up. <p>
<fieldset>
<legend>JavaScript Examples</legend>
<input type="button" onclick="alert_box()" value="show alert box"/>
<input type="button" onclick="confirm_box()" value="show confirm box"/>
<input type="button" onclick="prompt_box()" value="show prompt box"/>
</fieldset>
</body>
</html>
```

Alert.js

```
function alert_box()
{
    alert("This is an alert box!");
}

function confirm_box()
{
    var r = confirm("Press a button");

    if(r == true)
    {
        alert("That was OK");
    }
    else
    {
        alert("That was cancel");
    }
}

function prompt_box()
{

```

```

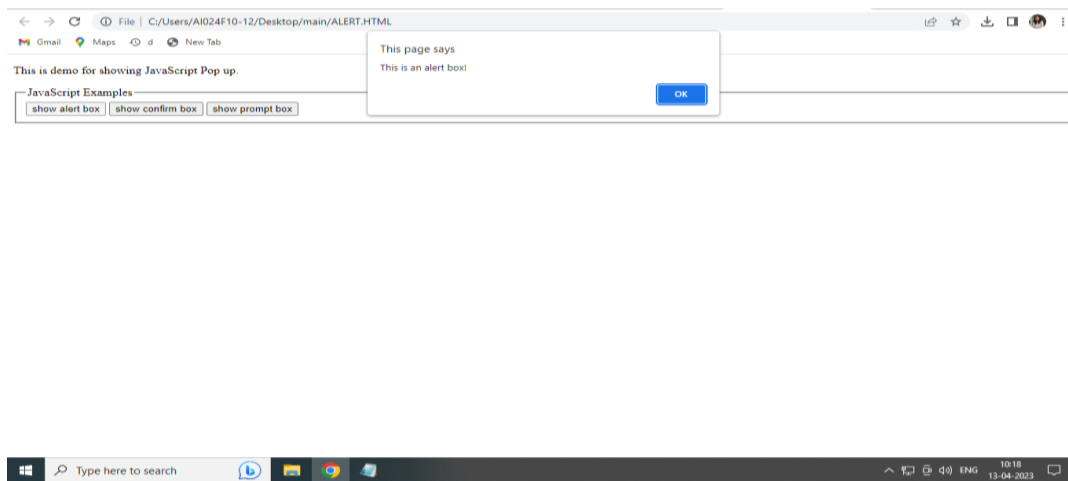
var name = prompt("Please enter your name","Name");

if(name!=null && name!= " ")
{

    document.write("Hello" + " " + name + " " + "Thank You!");

}
}

```



Program 10

AIM

Write a JavaScript program on Form validations

DESCRIPTION

```

<html>

<head>

<title>Form Validation</title>

<script type = "text/javascript">

    // Form validation code will come here.

    function validate() {

        var pattern = /^[a-zA-Z\s]+$/;

        var name=document.myForm.Name.value;

```

```

var email=document.myForm.EMail.value;
var mno=document.myForm.Mobno.value;
var regPhone=/^\d{10}$/;
var mailpattern=/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/g;
if( document.myForm.Name.value == "" ) {
    alert( "Please provide your name!" );
    document.myForm.Name.focus() ;
}
else if(pattern.test(name) == false) {
    alert("Please enter a valid name");
    return false;
}
if( document.myForm.EMail.value == "" ) {
    alert( "Please provide your Email!" );
    document.myForm.EMail.focus() ;
    return false;
}
else if(mailpattern.test(email) == false) {
    alert("Please enter a valid email");
    return false;
}
if( document.myForm.Zip.value == "" || isNaN( document.myForm.Zip.value ) ||
document.myForm.Zip.value.length != 5 ) {
    alert( "Please provide a zip in the format #####." );
    document.myForm.Zip.focus() ;
    return false;
}
if( document.myForm.Country.value == "-1" ) {
    alert( "Please provide your country!" );

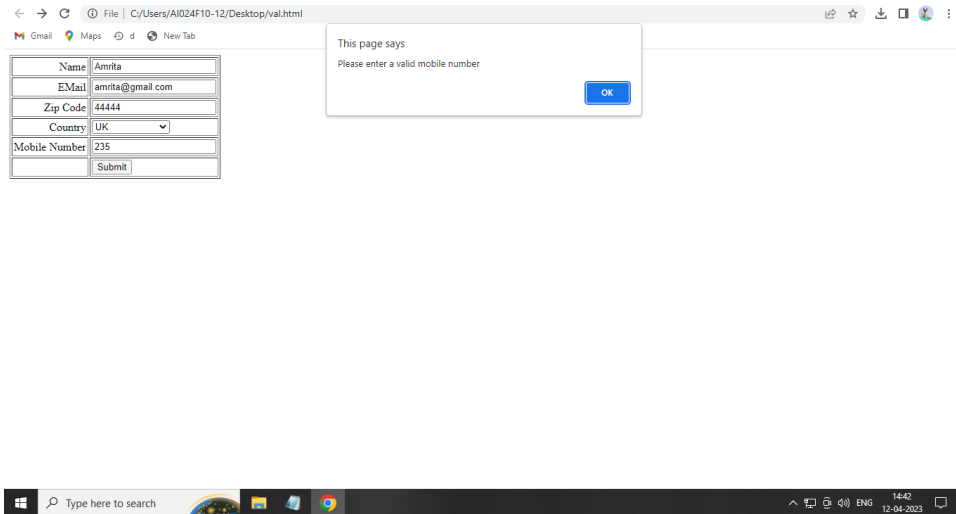
```

```

        return false;
    }
    if( document.myForm.Mobno.value == "" ) {
        alert( "Please provide your mobile number!" );
        document.myForm.Mobno.focus() ;
    }
    else if(regPhone.test(mno) == false) {
        alert("Please enter a valid mobile number");
        return false;
    }
    return( true );
}
</script>
</head>
<body>
<form action = "/cgi-bin/test.cgi" name = "myForm" onsubmit = "return(validate());">
    <table cellpadding = "2" cellspacing = "2" border = "1">
        <tr>
            <td align = "right">Name</td>
            <td><input type = "text" name = "Name" /></td>
        </tr>
        <tr>
            <td align = "right">EMail</td>
            <td><input type = "text" name = "EMail" /></td>
        </tr>
        <tr>
            <td align = "right">Zip Code</td>
            <td><input type = "text" name = "Zip" /></td>
        </tr>
    </table>
</form>

```

```
<tr>
<td align = "right">Country</td>
<td>
<select name = "Country">
    <option value = "-1" selected>[choose yours]</option>
    <option value = "1">USA</option>
    <option value = "2">UK</option>
    <option value = "3">INDIA</option>
</select>
</td>
</tr>
<tr>
<td align = "right">Mobile Number</td>
<td><input type = "Number" name = "Mobno" /></td>
</tr>
<tr>
<td align = "right"></td>
<td><input type = "submit" value = "Submit" /></td>
</tr>
</table>
</form>
</body>
</html>
```



Program 11

AIM

Write a JavaScript program to perform four arithmetic operations: Addition, Subtraction, Multiplication and Division on two numbers

DESCRIPTION

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<script type="text/javascript">
```

```
function addition(){
```

```
    a=Number(document.my_cal.first.value);
```

```
    b=Number(document.my_cal.second.value);
```

```
    c=a+b;
```

```
    document.my_cal.total.value=c;
```

```
}
```

```
function subtraction(){
```

```
    a=Number(document.my_cal.first.value);
```

```
    b=Number(document.my_cal.second.value);
```

```
c=a-b;
document.my_cal.total.value=c;
}
function division(){
    a=Number(document.my_cal.first.value);
    b=Number(document.my_cal.second.value);
    c=a/b;
    document.my_cal.total.value=c;
}
function multiply(){
    a=Number(document.my_cal.first.value);
    b=Number(document.my_cal.second.value);
    c=a*b;
    document.my_cal.total.value=c;
}
</script>
<form name="my_cal">
    Number 1: <input type="text" name="first">
    <br>
    Number 2: <input type="text" name="second">
    <br><br>
    <input type="button" value="ADD" onclick="javascript:addition();">
    <input type="button" value="SUB" onclick="javascript:subtraction();">
    <input type="button" value="MUL" onclick="javascript:multiply();">
    <input type="button" value="DIV" onclick="javascript:division();">
    <input type="button" value="MOD" onclick="javascript:modulus();">
    <br><br>
    Get Result: <input type="text" name="total">
</body>
```


</html>

Number 1:	<input type="text" value="8"/>
Number 2:	<input type="text" value="4"/>
<input type="button" value="ADD"/> <input type="button" value="SUB"/> <input type="button" value="MUL"/> <input type="button" value="DIV"/> <input type="button" value="MOD"/>	
Get Result:	<input type="text" value="12"/>

Program 12

AIM

Create a website of our college.

DESCRIPTION

Home.html

```
<html>
```

```
<head>
```

```
<title>
```

```
    College
```

```
</title>
```

```
</head>
```

```
<body bgcolor="lightgray">
```

```
    <h1 align="center" style="color: black;">Acharya Institute of Graduate Studies</h1>
```

```
    <h2 align="center" style="color: black;">Soladevanahalli</h2>
```

```
    <hr>
```

```
    <center></center>
```

```
    <h2 align="center" style="color: black;">About College </h2>
```

```
    <p style="font-family:courier;">Acharya Institute of Graduate Studies, or AIGS, is a private co-educational engineering and management college in Bengaluru, India, affiliated with the Bangalore University (BU) and accredited by the National Assessment and Accreditation Council
```

(NAAC). Established in 2005, it offers seven undergraduate courses and nine postgraduate courses.

Acharya organises the Acharya Habba, an annual two-day intercollegiate cultural festival that is one of the largest in Bengaluru and Karnataka.

The Deccan Herald lists AIGS as one of the "notable" colleges to apply the Karnataka Management Aptitude Test (KMAT) for admission to postgraduate management courses.

</p>

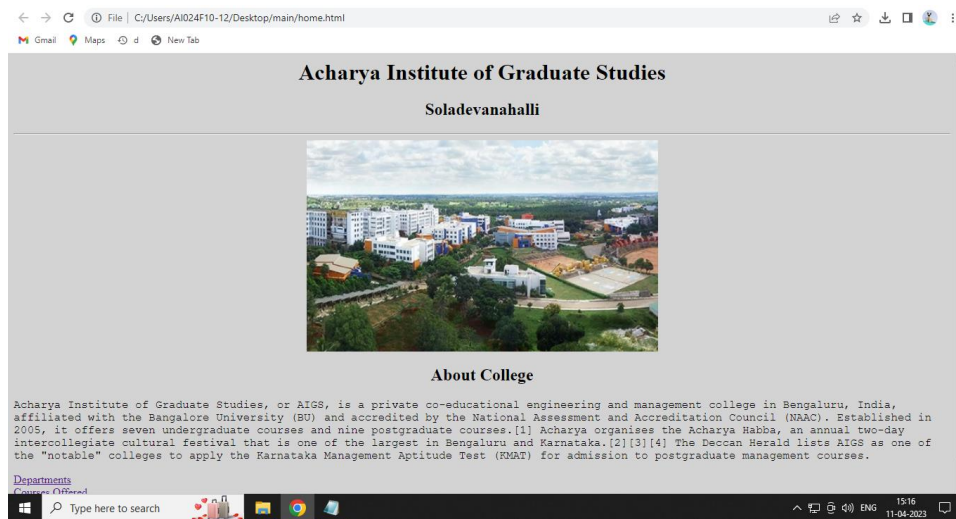
Departments

Courses Offered

Contact us

</body>

</html>



Dept.html

<html>

<head>

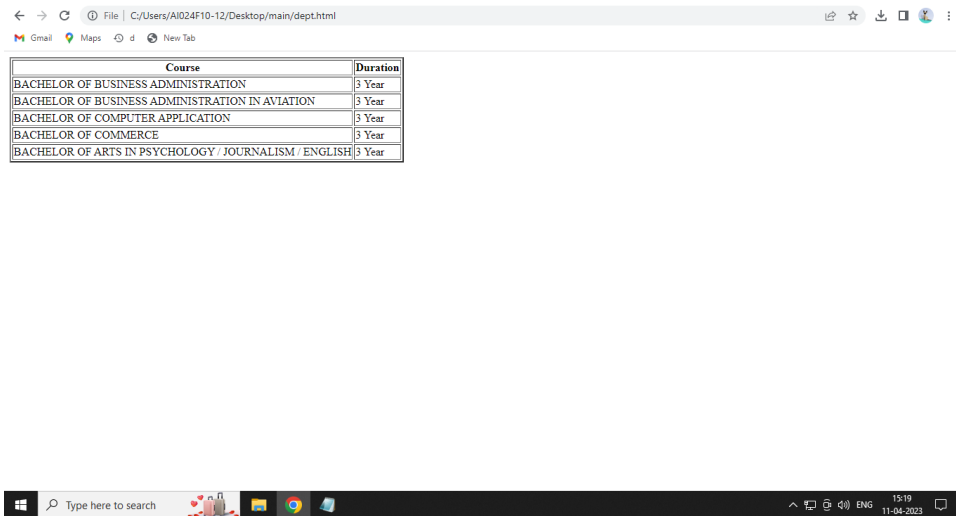
<title>Departments</title>

</head>

<body>

<table border="2">

```
<tr>
  <th>Course</th><th>Duration</th>
</tr>
<tr>
  <td>BACHELOR OF BUSINESS ADMINISTRATION</td><td>3 Year</td>
</tr>
<tr>
  <td>BACHELOR OF BUSINESS ADMINISTRATION IN AVIATION</td><td>3 Year</td>
</tr>
<tr>
  <td>BACHELOR OF COMPUTER APPLICATION</td><td>3 Year</td>
</tr>
<tr>
  <td>BACHELOR OF COMMERCE</td><td>3 Year</td>
</tr>
<tr>
  <td>BACHELOR OF ARTS IN PSYCHOLOGY / JOURNALISM / ENGLISH</td><td>3
Year</td>
</tr>
</body>
</html>
```



Course.html

```
<html>

<head>

<title>Couses</title>

</head>

<body>

<h2><b>Courses Offered</b></h2>

<ul>

<li>BCA</li>

<li>Bcom</li>

<li>BBA</li>

<li>Bsc Computer Science</li>

<li>Bsc Physics</li>

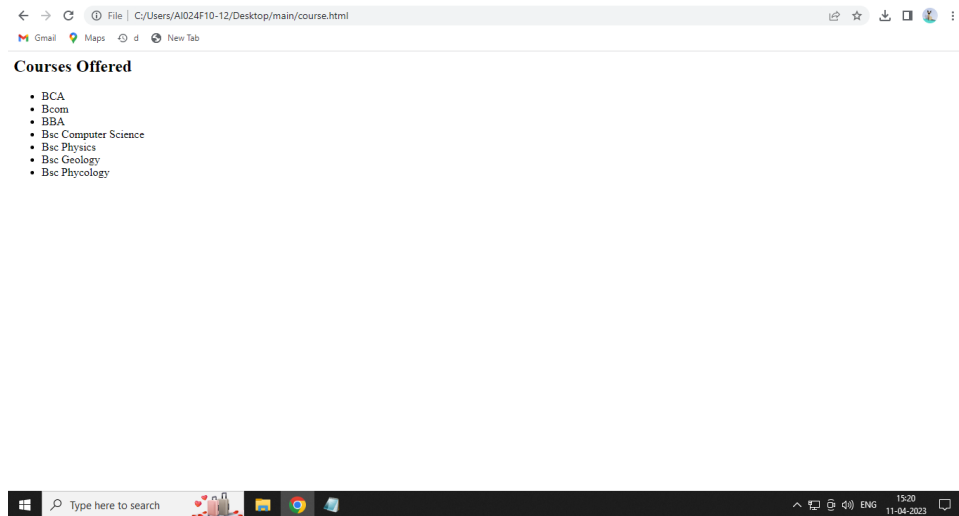
<li>Bsc Geology</li>

<li>Bsc Phycology</li>

</ul>

</body>

</html>
```



Contact.html

<html>

<head>

<title>Contact</title>

</head>

<body>

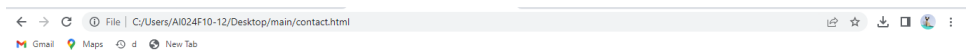
<h3>Contact as </h3>

<p>Phone Number: 1800376523</p>

<p>Email:acharyainstitute@gmail.com</p>

</body>

</html>



Contact as

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