

1	<p>(I) Demonstrate Basic html Tags.</p> <p>1.(HTML) : Tags are the hidden keywords within a web page that define how the browser must format and display the content. Most tags must have two parts, an opening and a closing part. For example, <html> is the opening tag and </html> is the closing tag.</p> <p>2.(body) : Tag defines the document's body. The <body> element contains all the contents of an HTML document, such as text, hyperlinks, images, tables, lists, etc.</p> <p>3.(head) : The element is a container for metadata (data about data) and is placed between the <html> tag and the <body> tag. HTML metadata is data about the HTML document.</p> <p>4.(title) : Tag is required in all HTML documents and it defines the title of the document. The <title> element: defines a title in the browser toolbar.</p> <p>5.(link) : It is specified using HTML tag <a>. This tag is called anchor tag and anything between the opening <a> tag and the closing tag becomes part of the link and a user can click that part to reach to the linked document.</p> <p>6.(Meta) : Metadata is data (information) about data. The <meta> tag provides metadata about the HTML document. Metadata will not be displayed on the page, but will be machine parsable. Meta elements are typically used to specify page description, keywords, author of the document, last modified, and other metadata.</p> <p>7.(Address) : Tag defines the contact information for the author/owner of a document or an article. If the <address> element is inside the <body> element, it represents contact information for the document.</p> <p>8.(B) : Defines Bold text.</p> <p>9.(U) : It is used to define underlined text.</p> <p>10.(I): Defines Italic text.</p> <p>11.(blockquote) : Tag is used for indicating long quotations (i.e. quotations that span multiple lines). It should contain only block-level elements within it, and not just plain text.</p> <p>12.(marquee) :</p>
----------	--

tag is used for scrolling piece of text or image displayed either horizontally across or vertically down your web site page depending on the settings.

13.(table) :

Tag defines an HTML table. An HTML table consists of the <table> element and one or more <tr>, <th>, and <td> elements. The <tr> element defines a table row, the <th> element defines a table header, and the <td> element defines a table cell.

14.(br) :

Tag inserts a single line break. The
 tag is an empty tag which means that it has no end tag.

15.(hr) :

Tag represents a horizontal rule. However, the <hr> tag may still be displayed as a horizontal rule in visual browsers, but is now defined in semantic terms, rather than presentational terms.

16.(header):

Element represents a container for introductory content or a set of navigational links. A <header> element typically contains: one or more heading elements (<h1> - <h6>).

17.(p) :

HTML paragraph tags are used to define the HTML paragraph element. The paragraph element begins with the HTML <p> tag and ends with the HTML </p> tag. The HTML paragraph element should not contain tables and other block elements.

18.(Select) :

<select> element is used to create a drop-down list.

19.(Option) :

<option> tags inside the <select> element define the available options in the list.

20.(strong): Tag is a phrase tag. It defines important text.

21.(textarea) :

Tag defines a multi-line text input control. A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier). The size of a text area can be specified by the cols and rows attributes, or even better; through CSS' height and width properties.

22.(small) :

Element is found within the <body> tag. The <small> tag is used to make the text one size smaller (ie: from x-large to large, large to medium, medium to small). The <small> tag can not make the text smaller than the browser's minimum font size.

	<p>23.(caption) : Tag must be inserted immediately after the <table> tag. Note: You can specify only one caption per table.</p> <p>24.(button) : Tag defines a clickable button. Inside a <button> element you can put content, like text or images. This is the difference between this element and buttons created with the <input> element. Tip: Always specify the type attribute for a <button> element.</p> <p>25.(DOCTYPE) : The DTD specifies the rules for the markup language, so that the browsers render the content correctly. HTML5 is not based on SGML, and therefore does not require a reference to a DTD. Always add the <!DOCTYPE> declaration to your HTML documents, so that the browser knows what type of document to expect.</p> <p>26.(time) : Tag defines a human-readable date/time. This element can also be used to encode dates and times in a machine-readable way so that user agents can offer to add birthday reminders or scheduled events to the user's calendar, and search engines can produce smarter search results.</p> <p>27.(progress) : Tag specifies a completion progress of a task. It is displayed as a progress bar. The value Of progressbar can be manipulated by JavaScript</p>
1	<p>(II) Demonstrate special html controls like :</p> <ul style="list-style-type: none"> a. Anchor Tag b. Iframe Tag c. List controls d. Image control e. Input tag
	<p>Anchor Tag : An anchor tag, however, can only be used in the body of the document. It is used for two things: to create what is commonly referred to as link: a clickable text or image (or something else) that opens a new page or scrolls to another part of the page when clicked. In the latter case, an anchor tag is also used to specify a target for an in-page link. An anchor is a piece of text which marks the beginning and/or the end of a hypertext link. The text between the opening tag and the closing tag is either the start or destination (or both) of a link. Attributes of the anchor tag are as follows. HREF.</p> <p>IFrame Tag: TML Iframes. You can define an inline frame with HTML tag <iframe>. ... The <iframe> tag defines a rectangular region within the document in which the browser can display a separate</p>

	<p>document, including scrollbars and borders. The src attribute is used to specify the URL of the document that occupies the inline frame.</p> <p>List Tag : In HTML, the set of different elements of Same Attributes can be inserted in, i) Ordered list (1/A/a/I/i - are different CSS-list-Type Properties). ii) UnOrdered list.(disc/Circle/Square - are different CSS-list-Type Properties).</p> <p>Image Tag : The tag defines an image in an HTML page.The tag has two required attributes: src and alt. Images are not technically inserted into an HTML page, images are linked to HTML pages. The tag creates a holding space for the referenced image.To link an image to another document, simply nest the tag inside <a> tags.</p> <p>Input Tag : The tag specifies an input field where the user can enter data. <input> elements are used within a <form> element to declare input controls that allow users to input data. An input field can vary in many ways, depending on the type attribute.</p>
1	<p>(III) Write an HTML snippet with CSS for following effects a. Link: after visited red color and before visited blue color b. Table with odd rows pink and even rows blue color. c. Text color-green, Text-indentation-2cm, Text case-uppercase</p>
	<pre> <html> <head> <style type="text/css"> a:link{ color: blue; } a:visited{ color: red; } table,tr,td{ border:1px solid black; } tr:nth-child(odd){ background-color: pink; } tr:nth-child(even){ background-color: blue; } h3{ </pre>

```

color: green;
text-indent: 2cm;
text-transform: uppercase;
}
</style>
</head>
<body>
<a href="#">click here</a>
<br/><br/>
<table>
  <tr>
    <th> Sr.    </th>
    <th>Name</th>
    <th>City</th>
  </tr>
  <tr>
    <td> 1    </td>
    <td>Hitesh</td>
    <td>Rajkot</td>
  </tr>
  <tr>
    <td> 2    </td>
    <td>Princy</td>
    <td>Surat</td>
  </tr>
  <tr>
    <td> 3    </td>
    <td>Ansh</td>
    <td>Ahmedabad</td>
  </tr>
  <tr>
    <td> 4    </td>
    <td>Mitesh</td>
    <td>Baroda</td>
  </tr>
</table>
<br>
<h3>this is change text::text color-green text-indentation-2cm,text
uppercase</h3>
</body>
</html>

```

Output:

[click here](#)

Sr.	Name	City
1	Himash	Rajkot
2	Princy	Surat
3	Amit	Amreli
4	Mitesh	Baroda

THIS IS CHANGE TEXT::TEXT COLOR-GREEN TEXT-INDENTATION-2CM,TEXT UPPERCASE

2 (I) Make the table of given design using HTML.

1				
2			3	
4	5		6	7
	8	9		

(a)

1			
2	3	4	
		5	6
7			

(b)

```

<html>
<head>
  <style type="text/css">
    table, th, td {
      border: 1px solid black;
    }
    table {
      border-collapse: collapse;
    }
    td {
      height: 50px;
      width: 50px;
      vertical-align: middle;
      text-align: center;
    }
  </style>
</head>

<body>
  
```

```

<table border="2px" style="">
  <tr>
    <td colspan="5">1</td>
  </tr>
  <tr>
    <td colspan="3">2</td>
    <td colspan="2" rowspan="2">3</td>
  </tr>
  <tr>
    <td rowspan="3">4</td>
    <td rowspan="2" colspan="2">5
    </td>
  </tr>
  <tr>
    <td colspan="2" rowspan="2">6</td>
    <td rowspan="2">7</td>
  </tr>
  <tr>
    <td>8</td>
    <td>9</td>
  </tr>
</table>
</body>
</html>

```

Output:

1				
2			3	
4	5			
	8	9	6	

```

<html>
<head>

```

```
<style type="text/css">
  table, th, td {
    border: 1px solid black;
  }
  table {
    border-collapse: collapse;
  }

  td {
    height: 50px;
    width: 50px;
    vertical-align: middle;
    text-align: center;
  }
</style>
</head>
<body>
  <table style="">
    <tr>
      <td colspan="4">1</td>
    </tr>
    <tr>
      <td rowspan="2">2</td>
      <td rowspan="2">3</td>
      <td colspan="2">4</td>
    </tr>
    <tr>
      <td>5</td>
      <td>6</td>
    </tr>
    <td colspan="4">7</td>
  </tr>
</table>

</body>
</html>
```

Output:

	<table><tr><td colspan="4">1</td></tr><tr><td rowspan="2">2</td><td rowspan="2">3</td><td colspan="2">4</td></tr><tr><td>5</td><td>6</td></tr><tr><td colspan="4">7</td></tr></table>	1				2	3	4		5	6	7			
1															
2	3	4													
		5	6												
7															
2	<p>(II) Write a form to collect details of a user such as name, address, radio button to choose subject of book he wants to buy, Dropdown to choose favorite author and comments for the last book he read</p>														
	<pre><html> <body> <form action=#> <table cellpadding=1 cellspacing=10px align=center> <tr> <td>Full Name</td> <td>:</td> <td><input type="text" name=FullName placeholder="Enter full name"></td> </tr> <tr> <td>Subject</td> <td>:</td> <td> <input type=radio name=Gender checked>WT <input type=radio name=Gender>SE <input type=radio name=Gender>TOC </td> </tr> <tr> <td>Favorite Author</td> <td>:</td> <td> <select> <option>M. T. Savaliya</option> <option>Joel Sklar</option> <option>Adesh K. Pandey</option> <option>Deniel I. Cohen</option> <option>Roger S.Pressman</option> </select> </td> </tr> </table> </form></pre>														

	<pre> <option>Pankaj Jalote</option> </select> </td> </tr> </tr> <tr> <td>Comments for the last book</td> <td>:</td> <td><input type="text" name="comments"></td> </tr> </table> </form> </body> </html> Output: <div> Full Name : <input type="text" value="Enter full name"/> Subject : <input checked="" type="radio"/> WT <input type="radio"/> SE <input type="radio"/> TOC Favorite Author : <input type="text" value="M. T. Savaliya"/> Comments for the last book : <input type="text"/> </div> </pre>
2	(III) Create employee registration webpage using HTML form object <pre> <html> <head> <title>Employee Registration</title> </head> <body> <h1 align=center> Employee Registraion </h1> <form action=# method=get> <table cellpadding=10px align=center> <tr> <th colspan=6>Personal Information</th> </tr> <tr> <td>Employee ID</td> <td>:</td> <td><input type="text" name=EmpId placeholder="Enter Employee ID"></td> <td>Employee Name</td> <td>:</td> <td><input type="text" name=EmpName placeholder="Enter Employee Name"></td> </tr> </table> </form> </pre>

```

        <td><input type="text" name=EmpName placeholder="Enter
Employee name"></td>
    </tr>
    <tr>
        <td>Email</td>
        <td>:</td>
        <td><input type="email" name=email placeholder="Enter
Email"></td>
        <td>Contact No</td>
        <td>:</td>
        <td><input type="Number" name="Contact" placeholder="Enter
Contact No"></td>
    </tr>
    <tr>
        <td>Marital Status</td>
        <td>:</td>
        <td>
            <input type=radio name=MaritalStatus checked>Single
            <input type=radio name=MaritalStatus>Married
        </td>
        <td></td>
        <td></td>
        <td></td>
    </tr>
    <tr>
        <th colspan=6>Education Qualificaton</th>
    </tr>
    <tr>
        <td>Education</td>
        <td>:</td>
        <td><input type=text name=Education placeholder="Enter
Education Details"></td>
        <td>Experience</td>
        <td>:</td>
        <td><input type=text name=Experience placeholder="Enter
Experience Details"></td>
    </tr>
    <tr>
        <th colspan=6>Job Details</th>
    </tr>
    <tr>
        <td>Designation</td>

```

```

    <td>:</td>
    <td><input type=text name=Designation placeholder="Enter
Designation details"></td>
    <td>Job location</td>
    <td>:</td>
    <td><input type=text name=JobLocation placeholder="Enter Job
Location"></td> </tr>
    <tr>
    <td>Salary</td>
    <td>:</td>
    <td><input type=number name=Salary placeholder="Enter Salary
details"></td>
    <td></td>
    <td></td>
    <td></td>
    </tr>
    <tr>
    <td colspan=6 align=center><hr><input type=submit
value=Register></td>
    </tr>
  </table>
</form>
</body>
</html>

```

Output:

Employee Registraion

Personal Information

Employee ID : Employee Name :

Email : Contact No :

Marital Status : ☐ Single ☒ Married

Education Qualificaton

Education : Experience :



Job Details

Designation : Job location :


Salary :

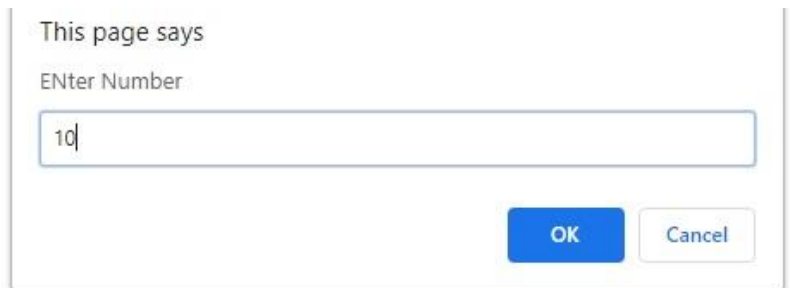
3 Write a JavaScript that handles following events.

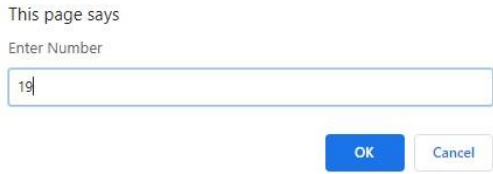
	<p>(I) If the mouse is over heading, change font color to “red” and if the mouse goes out of the heading change it to “black”</p> <pre> <html> <head> <script language="JavaScript"> function over() { document.getElementById("head1").style.color="red"; } function out() { document.getElementById("head1").style.color="black"; } </script> </head> <body> <h1 id="head1" onmouseover="over()" onmouseout="out()">This is heading1 style.</h1> </body> </html> </pre> <p>Output:</p> <p>This is heading1 style.</p>
3	<p>(II) If button named “red” is clicked, background should change to red and If button named “green” is clicked, background should change to green.</p> <pre> <html> <head> <script type="text/javascript"> function changebackground(val) { if(val=='red') { document.body.style.background="red"; } else if(val=='green') { document.body.style.background="green"; } } </script> </head> <body> <input type="button" id="rbtn" onclick="changebackground('red')" value="Red Button"/> </pre>

	<pre><input type="button" id="gbtn"onclick="changebackground('green')" value="Green Button"/> </body> </html></pre> <p>Output:</p> 
3	<p>(III) Gives the key code for the key pressed, If key pressed is 'a','e','i','o','u', the message should be displayed on pop up box that "vowel is pressed" and Background color should change to red after releasing the pressed key</p>
	<pre><html> <head> <script type="text/javascript"> window.onkeyup = changebgcolor; function myKeyPress(e){ var keynum; keynum=e.which; var char1=String.fromCharCode(keynum); //for vowel if(char1=='a' char1=='e' char1=='i' char1=='o' char1=='u') { alert("you have pressed vowel"); } alert("you pressed "+char1 +" & keycode for that is "+ keynum); } function changebgcolor() { document.getElementById("txt1").style.backgroundColor = "blue"; } </script> </head> <body> Enter character <input type="text" id="txt1" onkeyup="changebgcolor()" onkeypress="myKeyPress(event)"/> </body> </html></pre> <p>Output:</p> 

3	(IV) If “Date and Time” button is clicked it displays current date and time information
	<pre> <html> <head> <script type="text/javascript"> function showdtttime() { document.getElementById("demo").innerHTML = Date(); } </script> </head> <body> <p id="demo"></p> <input type="button" onclick="showdtttime()" value="Date and Time"/> </body> </html> </pre> <p>Output:</p> <p>Fri Apr 24 2020 11:17:36 GMT+0530 (India Standard Time)</p> <p><input type="button" value="Date and Time"/></p>
4	Write a JavaScript for following (I) Create HTML Page with JavaScript which takes Integer number as input and tells whether the number is ODD or EVEN.
	<pre> <html> <head> <script type="text/javascript"> function isNumberKey(evt) { var charCode = event.keyCode if (charCode < 48 charCode > 57) return false; return true; } function fun() { no=Number(document.getElementById("t1").value); if(no%2==0) { document.getElementById("ans").innerHTML=no + " is EVEN number"; } else </pre>

	<pre> { document.getElementById("ans").innerHTML=no + " is ODD number"; } } </script> </head> <body> Enter any number : <input type="text" id="t1" onkeypress="return isNumberKey(event)"> <input type="button" onclick="fun()" value="check" >
 <p id="ans"></p> </body> </html> </pre> <p>Output:</p> 
4	<p>(II) Demonstrate the use of array to find maximum number.</p> <pre> <html> <head> <script type="text/javascript"> var arr = [52,36,4,13,41,32,65,16]; var max = arr[0]; document.write("Input Array elements are :
"); for(i=0;i<arr.length;i++) { document.write(arr[i]+'
'); } for(i=0;i<arr.length;i++) { if(max<arr[i]) max=arr[i]; } document.write("
Maximum Number is :"+max); </script> </head> <body> </body> </html> </pre>

	<p>Output:</p> <p>Input Array elements are :</p> <p>52 36 4 13 41 32 65 16</p> <p>Maximum Number is :65</p>
4	<p>(III) Accepts N as input and displays first N Fibonacci numbers as list.</p> <pre> <html> <body> <script type="text/javascript"> var a=0,b=1,c=0; no=prompt("ENter Number"); document.write("Fibonacci series : ") document.write("0 1 "); for(i=2;i<no;i++) { c=a+b; document.write(c+" "); a=b; b=c; } </script> </body> </html> </pre> <p>Output:</p> <div>  </div> <p>Fibonacci series : 0 1 1 2 3 5 8 13 21 34</p>

4	<p>(IV) Demonstrate User Defined Functions to find whether the given number is prime or not.</p> <pre> <html> <body> <script type="text/javascript"> var flag=0; no=prompt("Enter Number"); for(i=2;i<no;i++) { if(no%i==0) { flag=1; document.write(no+" is NOT PRIME Number") break; } } if(flag==0) document.write(no+" is PRIME Number"); </script> </body> </html> </pre> <p>Output:</p>  <p style="text-align: center;">19 is PRIME Number</p>
4	<p>(V) Design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday?</p> <pre> <html> <head> <script type="text/javascript"> var month = parseInt(prompt("enter your birth month (1-12)", "")) - 1; var day = parseInt(prompt("enter your birth day(1-31)", "")); var birthday = new Date(); var currentdate = new Date(); var one_day=1000*60*60*24; document.write("Current date : "+currentdate + '
'); birthday.setDate(day); birthday.setMonth(month); document.write("Birthday : "+birthday + '
'); var theDate = birthday - currentdate; theDate = (theDate / one_day); </pre>

	<pre>document.write("Days left are " + theDate.toFixed(0) + " in your birthday "); </script> </head> </html></pre> <p>Output:</p> <p>Current date : Thu Apr 23 2020 10:50:22 GMT+0530 (India Standard Time) Birthday : Thu Nov 19 2020 10:50:22 GMT+0530 (India Standard Time) Days left are 210 in your birthday</p>
4	<p>(VI) Develop simple calculator for addition, subtraction, multiplication and division operation</p> <pre><!DOCTYPE html> <html> <head> <script type="text/javascript"> var temp="",lastOp=""; function operation(vFirst) { var v = vFirst.innerHTML; var i = document.getElementById('input'); var o = document.getElementById('output'); if(v=="+" v=="-" v=="*" v=="/"){ temp = i.innerHTML; lastOp = v; i.innerHTML = ""; } else if(v=="="){ if(lastOp==""){ var a = parseInt(temp) + parseInt(i.innerHTML); o.innerHTML = temp + " " +lastOp + " "+i.innerHTML+ " = "+ a; } else if(lastOp=="-"){ var a = parseInt(temp) - parseInt(i.innerHTML); o.innerHTML = temp + " " +lastOp + " "+i.innerHTML+ " = "+ a; } else if(lastOp=="*"){ var a = parseInt(temp) * parseInt(i.innerHTML); o.innerHTML = temp + " " +lastOp + " "+i.innerHTML+ " = "+ a; } else if(lastOp=="/"){ var a = parseInt(temp) / parseInt(i.innerHTML);</pre>

```

        o.innerHTML = temp + " " +lastOp +" "+i.innerHTML+ "
    = "+ a;
    }
  }
  else{
    i.innerHTML = i.innerHTML + v;
  }
}
</script>
<style type="text/css">
  tr{
    height: 50px;
  }
  td{
    width: 50px;
  }
</style>
</head>
<body>
  <table border="1" align="center" style="text-align: center;">
    <tr>
      <td colspan="4" id="output"></td>
    </tr>
    <tr>
      <td colspan="4" id="input"></td>
    </tr>
    <tr>
      <td onclick="operation(this)">7</td>
      <td onclick="operation(this)">8</td>
      <td onclick="operation(this)">9</td>
      <td onclick="operation(this)">*</td>
    </tr>
    <tr>
      <td onclick="operation(this)">4</td>
      <td onclick="operation(this)">5</td>
      <td onclick="operation(this)">6</td>
      <td onclick="operation(this)">-</td>
    </tr>
    <tr>
      <td onclick="operation(this)">1</td>
      <td onclick="operation(this)">2</td>
      <td onclick="operation(this)">3</td>
      <td onclick="operation(this)">/</td>
    </tr>
    <tr>
      <td onclick="operation(this)">0</td>
      <td onclick="operation(this)">.</td>
      <td onclick="operation(this)">+</td>

```

```

      <td onclick="operation(this)">=</td>
    </tr>
  </table>
</body>
</html>

```

Output:

4 * 5 = 20			
5			
7	8	9	*
4	5	6	-
1	2	3	/
0	.	+	=

5 (I) Write a java script program to "Wish a user " at different hours of a day.

```

<html>
<head>
  <script type="text/javascript">
    var date = new Date();
    var hour = date.getHours();
    var minute = date.getMinutes();
    var second = date.getSeconds();
    if (hour < 12) {
      welcome = "Good morning";
    }
    else if (hour < 17) {
      welcome = "Good afternoon";
    }
    else {
      welcome = "Good evening";
    }

    document.write("<h2>" + "<font color='red'>" + welcome +
"</font>" + " welcome to our website");
  </script>
</head>
</html>

```

	<pre>document.write("
" + hour + ":" + minute + ":" + second); </script> </head> <body> </body> </html></pre> <p>Output:</p> <p>Good afternoon welcome to our website 13:38:10</p>
5	<p>(II) Write a Javascript to apply various validations on fields of Student Registration Form.</p> <pre><html> <head> <title>JavaScript Form validation</title> <script> // Defining a function to display error message function printError(elemId, hintMsg) { document.getElementById(elemId).innerHTML = hintMsg; } // Defining a function to validate form function validateForm() { // Retrieving the values of form elements var name = document.contactForm.name.value; var email = document.contactForm.email.value; var mobile = document.contactForm.mobile.value; var branch = document.contactForm.branch.value; var gender = document.contactForm.gender.value; var hobbies = []; var checkboxes = document.getElementsByName("hobbies[]"); for(var i=0; i < checkboxes.length; i++) { if(checkboxes[i].checked) { // Populate hobbies array with selected values hobbies.push(checkboxes[i].value); } } // Defining error variables with a default value var nameErr = emailErr = mobileErr = branchErr = genderErr = true; // Validate name if(name == "") {</pre>

```

        printError("nameErr", "Please enter your name");
    } else {
        var regex = /^[a-zA-Z\s]+$/;
        if(regex.test(name) === false) {
            printError("nameErr", "Please enter a valid name");
        } else {
            printError("nameErr", "");
            nameErr = false;
        }
    }

    // Validate email address
    if(email == "") {
        printError("emailErr", "Please enter your email address");
    } else {
        // Regular expression for basic email validation
        var regex = /^\S+@\S+\.\S+$/;
        if(regex.test(email) === false) {
            printError("emailErr", "Please enter a valid email
address");
        } else{
            printError("emailErr", "");
            emailErr = false;
        }
    }

    // Validate mobile number
    if(mobile == "") {
        printError("mobileErr", "Please enter your mobile
number");
    } else {
        var regex = /^[1-9]\d{9}$/;
        if(regex.test(mobile) === false) {
            printError("mobileErr", "Please enter a valid 10
digit mobile number");
        } else{
            printError("mobileErr", "");
            mobileErr = false;
        }
    }

    // Validate branch
    if(branch == "Select") {
        printError("branchErr", "Please select your branch");
    } else {
        printError("branchErr", "");
        branchErr = false;
    }

```

```
// Validate gender
if(gender == "") {
    printError("genderErr", "Please select your gender");
} else {
    printError("genderErr", "");
    genderErr = false;
}

// Prevent the form from being submitted if there are any
errors
if((nameErr || emailErr || mobileErr || branchErr || genderErr)
== true) {
    return false;
} else {
    // Creating a string from input data for preview
    var dataPreview = "You've entered the following details:
\n" +
        "Full Name: " + name + "\n" +
        "Email Address: " + email + "\n" +
        "Mobile Number: " + mobile + "\n" +
        "Branch: " + branch + "\n" +
        "Gender: " + gender + "\n";
    if(hobbies.length) {
        dataPreview += "Hobbies: " + hobbies.join(", ");
    }
    // Display input data in a dialog box before submitting
    the form
    alert(dataPreview);
}
};
</script>
</head>
<body>
<form name="contactForm" onsubmit="return validateForm()" action="#"
method="post">
<table><tr><td colspan="3">
<h2>Student Registration Form</h2></td></tr>
<tr><td>
<label>Full Name</label></td>
<td>
<input type="text" name="name"></td>
<div class="error" id="nameErr"></div></td></tr>
<tr><td>
<label>Email Address</label></td>
<td>
<input type="text" name="email"></td>
```



```

<td>
<div class="error" id="emailErr"></div></td>
</tr>
<tr><td>
<label>Mobile Number</label></td>
<td>
<input type="text" name="mobile" maxlength="10"></td>
<td>
<div class="error" id="mobileErr"></div></td>
</tr>
<tr><td>
<label>Branch</label></td>
<td>
<select name="branch">
<option>Select</option>
<option>CE</option>
<option>ME</option>
<option>CIVIL</option>
<option>ELE</option>
</select>
</td>
<td>
<div class="error" id="branchErr"></div></td></tr>
<tr><td>
<label>Gender</label></td>
<td>
<div class="form-inline">
<label><input type="radio" name="gender" value="male"> Male</label>
<label><input type="radio" name="gender" value="female">
Female</label>
</div></td>
<td>
<div class="error" id="genderErr"></div></td>
</tr>
<tr><td>
<label>Hobbies <i>(Optional)</i></label></td>
<td>
<div class="form-inline">
<label><input type="checkbox" name="hobbies[]" value="sports">
Sports</label>
<label><input type="checkbox" name="hobbies[]" value="movies">
Movies</label>
<label><input type="checkbox" name="hobbies[]" value="music">
Music</label>
</div>
</td>
<td>
</td>
</tr>

```

```
</tr>
<tr><td colspan="3">
<input type="submit" value="Submit"></td>
</tr>
</tr>
</table>
</form>
</body>
</html>
```

Output:

Student Registration Form

Full Name	<input type="text" value="Romil"/>	
Email Address	<input type="text" value="romil212"/>	Please enter a valid email address
Mobile Number	<input type="text" value="98987"/>	Please enter a valid 10 digit mobile number
Branch	<input type="text" value="Select"/>	Please select your branch
Gender	<input type="radio"/> Male <input type="radio"/> Female	Please select your gender
Hobbies (Optional)	<input type="checkbox"/> Sports <input type="checkbox"/> Movies <input type="checkbox"/> Music	
<input type="button" value="Submit"/>		

5 (III) Write a Javascript to Check given string Palindrome or not.

```
<html>
<body>
  <script>
    function palindrome() {
      var str = document.getElementById("str").value;
      var ans = document.getElementById("result");
      var i = 0;
      var j = str.length - 1;
      while(i < j) {
        if(str[i] == str[j]) {
          i++;
          j--;
        }
        else {
          ans.innerHTML="Not Palindrome ";
          return;
        }
      }
      ans.innerHTML=" Palindrome ";
      return;
    }
  </script>
  Enter String
  <input type="text" name="str" id="str">
```

	<pre><input type="button" name="check" value="check" onclick="palindrome()"> </br> <h2 id="result"></h2> </body> </html></pre> <p>Output:</p> <p>Enter String <input type="text" value="hello"/> <input type="button" value="check"/></p> <p>Not Palindrome</p>
6	(I) XML file to store student information.
	<pre><?xml version="1.0" encoding="UTF-8"?> <studentlist> <student> <name>Student Name 1</name> <college>DIET</college> <department>CE</department> <rollno>101</rollno> <batch>CX1</batch> <birthdate>10/10/2001</year> </student> <student> <name>Student Name 2</name> <college>DIET</college> <department>CE</department> <rollno>102</rollno> <batch>CX1</batch> <birthdate>25/05/2002</year> </student> </studentlist></pre>
6	(II) Develop XML File for book record and also write a DTD and XSL for it.
	<p>pr6_2.xml</p> <pre><?xml version="1.0" encoding="UTF-8"?> <?xml-stylesheet type="text/xsl" href="pr6_2.xsl"?> <catelog> <book> <name>Web Technology</name> <author>MT Savaliya</author> <pages>200</pages> <price>150</price> <publisher>wiley</publisher> </book></pre>

	<pre> <book> <name>HTML 5, Black Book</name> <author>XYZ</author> <pages>150</pages> <price>100</price> <publisher>dreamtech Press</publisher> </book> </catelog> pr6_2.xsl <?xml version="1.0" encoding="UTF-8"?> <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"> <xsl:template match="/"> <html> <body> <h2>Catelog</h2> <table border="1"> <tr bgcolor="#9acd32"> <th>Book Name</th> <th>Author</th> <th>Pages</th> <th>Price</th> <th>Publisher</th> </tr> <xsl:for-each select="catelog/book"> <tr> <td><xsl:value-of select="name"/></td> <td><xsl:value-of select="author"/></td> <td><xsl:value-of select="pages"/></td> <td><xsl:value-of select="price"/></td> <td><xsl:value-of select="publisher"/></td> </tr> </xsl:for-each> </table> </body> </html> </xsl:template> </xsl:stylesheet> </pre>
6	(III) Write a Java Script to read data from XML File and print it in tabular manner.
	pr6_3.html <pre> <html> <body> <script> </pre>

```

if (window.XMLHttpRequest)
{
  // code for IE7+, Firefox, Chrome, Opera, Safari
  xmlhttp=new XMLHttpRequest();
}
else
{
  // code for IE6, IE5
  xmlhttp=new ActiveXObject("Microsoft.XMLHTTP");
}
xmlhttp.open("GET","pr6_3.xml",false);
xmlhttp.send();
xmlDoc=xmlhttp.responseXML;
document.write("<table border='1'>");
var x=xmlDoc.getElementsByTagName("CD");
for (i=0;i<x.length;i++)
{
  document.write("<tr><td>");
  document.write(x[i].getElementsByTagName("ARTIST")[0].childNodes[0].no
    deValue);
  document.write("</td><td>");
  document.write(x[i].getElementsByTagName("TITLE")[0].childNodes[0].no
    deValue);
  document.write("</td></tr>");
}
document.write("</table>");
</script>
</body>
</html>

```

pr6_3.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<!-- Edited by XMLSpy -->
<CATALOG>
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>Columbia</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1985</YEAR>
  </CD>
  <CD>
    <TITLE>Hide your heart</TITLE>
    <ARTIST>Bonnie Tyler</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS Records</COMPANY>
  </CD>
</CATALOG>

```

	<pre> <PRICE>9.90</PRICE> <YEAR>1988</YEAR> </CD> <CD> <TITLE>Greatest Hits</TITLE> <ARTIST>Dolly Parton</ARTIST> <COUNTRY>USA</COUNTRY> <COMPANY>RCA</COMPANY> <PRICE>9.90</PRICE> <YEAR>1982</YEAR> </CD> <CD> <TITLE>Still got the blues</TITLE> <ARTIST>Gary Moore</ARTIST> <COUNTRY>UK</COUNTRY> <COMPANY>Virgin records</COMPANY> <PRICE>10.20</PRICE> <YEAR>1990</YEAR> </CD> <CD> <TITLE>Eros</TITLE> <ARTIST>Eros Ramazzotti</ARTIST> <COUNTRY>EU</COUNTRY> <COMPANY>BMG</COMPANY> <PRICE>9.90</PRICE> <YEAR>1997</YEAR> </CD> <CD> <TITLE>One night only</TITLE> <ARTIST>Bee Gees</ARTIST> <COUNTRY>UK</COUNTRY> <COMPANY>Polydor</COMPANY> <PRICE>10.90</PRICE> <YEAR>1998</YEAR> </CD> </CATALOG> </pre>
7	<p>(I) Write a PHP program to display today's date in dd-mm-yyyy format.</p> <pre> <?php /*print date in dd/mm/yyyy format*/ print "Current date in dd/mm/yyyy format: " .date("d/m/Y"); print "</br>"; ?> </pre> <p>Output:</p> <p>Current date in dd/mm/yyyy format: 23/04/2020</p>

7	(II) Write a PHP script for Addition of two numbers.
	<pre> <html> <body> <form> <div>Number 1:</div> <input type="number" name="num1"/> <div>Number 2:</div> <input type="number" name="num2"/> <div>
<input type="submit" value="CHECK THE SUM"></div>
 </form> <?php if (isset(\$_GET['num1']) && isset(\$_GET['num2'])) { \$num1 = \$_GET['num1']; \$num2 = \$_GET['num2']; \$sum = \$num1 + \$num2; echo \$num1 . " + " . \$num2 . " = " . \$sum; } ?> </body> </html> </pre> <p>Output:</p> <p>Number 1:</p> <input type="text" value="3"/> <p>Number 2:</p> <input type="text" value="9"/> <p><input type="button" value="CHECK THE SUM"/></p> <p>3 + 9 = 12</p>
7	(III) Create a PHP program to find odd or even number from given number.
	<pre> <html> <body> <form method="post"> Enter a number: <input type="number" name="number"> <input type="submit" value="submit"> </form> </body> </html> <?php </pre>

	<pre> if(\$_POST){ \$number = \$_POST["number"]; if((\$number % 2) == 0){ echo "\$number is an Even number"; }else{ echo "\$number is Odd number"; } } ?> </pre> <p>Output:</p> <p>Enter a number: <input type="text" value="15"/> <input type="button" value="submit"/></p> <p>15 is Odd number</p>
7	(IV) Write a PHP program to find maximum of three numbers.
	<pre> <html> <body> <form method="post"> <table> <tr> <td> Enter the first number: </td> <td> <input type="text" name="num1"></td></tr> <tr><td> Enter the second number: </td> <td> <input type="text" name="num2"></td></tr> <tr><td> Enter the third number: </td> <td> <input type="text" name="num3"> </td> </tr> </table> <input type="submit" name="submit"> </form> <?php if(isset(\$_POST["submit"])){ \$num1=\$_POST["num1"]; \$num2=\$_POST["num2"]; \$num3=\$_POST["num3"]; </pre>


```

        if($num1>$num2 && $num1>$num3){
            echo "$num1 is maximum";
        }
        else{
            if($num2>$num1 && $num2>$num3){
                echo "$num2 is maximum";
            }
            else
                echo "$num3 is maximum";
        }
    }
    ?>
</body>
</html>
    
```

Output:

Enter the first number:

Enter the second number:

Enter the third number:

12 is maximum

7 (V) Write a PHP program to print following pattern.

1	1
ab	01
234	101
cdef	0101
56789	10101
(a)	(b)

```

<?php
$n=1;
$char=97;
for ($i=0; $i<5; $i++)
{
    for($j=0;$j<=$i;$j++)
    {
        if($i%2==0)
        {
            echo $n++." ";
        }
    }
}
    
```

```
    }
    else
    {
        echo chr($char++)." ";
    }
}
echo "<br/>";
}
?>
```

Output:

```
1
a b
2 3 4
c d e f
5 6 7 8 9
```

```
<?php
for ($i=0; $i<5; $i++)
{
    for($j=0;$j<=$i;$j++)
    {
        if(($i+$j)%2==1)
        {
            echo "0 ";
        }
        else
        {
            echo "1 ";
        }
    }
    echo "<br/>";
}
?>
```

Output:

```
1
0 1
1 0 1
0 1 0 1
1 0 1 0 1
```

8 (I) Write a PHP script to check whether given year is leap year or not.

```
<html>
<body>
  <h2>PHP Script to find Leap year or not </h2>
  <form action="" method="post">
    <input type="text" name="year" />
    <input type="submit" />
  </form>
</body>
</html>

<?php
if( $_POST )
{
    //get the year
    $year = $_POST[ 'year' ];

    //check if entered value is a number
    if(!is_numeric($year))
    {
        echo "Strings not allowed, Input should be a number";
        return;
    }

    //multiple conditions to check the leap year
    if( (0 == $year % 4) and (0 != $year % 100) or (0 == $year %
400) )
    {
        echo "$year is a leap year";
    }
    else
    {
        echo "$year is not a leap year";
    }
}
?>
```

Output:

PHP Script to find Leap year or not

2020

2020 is a leap year

8	(II) Write a PHP script to print Fibonacci series.
	<pre> <html> <body> <h2>PHP Script to print Fibonacci Series</h2> <form action="" method="post"> <input type="text" name="number" /> <input type="submit" /> </form> <?php if(isset(\$_POST['number'])) { \$count = 0 ; \$f1 = 0; \$f2 = 1; echo \$f1." , "; echo \$f2." , "; while (\$count < (\$_POST['number']-2)) { \$f3 = \$f2 + \$f1 ; echo \$f3." , "; \$f1 = \$f2 ; \$f2 = \$f3 ; \$count = \$count + 1; } } ?> </body> </html> </pre> <p>Output:</p> <p>PHP Script to print Fibonacci Series</p> <div> <input type="text" value="10"/> <input type="button" value="Submit"/> </div> <p>0 , 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 ,</p>
8	(III) Write a PHP script to check the given number is prime or not.
	<pre> <html> <body> <form method="post"> <table> <tr> <td>Enter Your Number</td> <td><input type="text" name="number"></td> </tr> </table> </form> </pre>

```
<tr>
    <td colspan="2" align="center">
        <input type="submit" name="submit"
value="submit">
    </td>
</tr>
</table>
</form>
</body>
</html>
<?php
if(isset($_POST['submit']))
{
//retrieve number form POST submission
$num=$_POST['number'];
$primeFlag=0;
//if not perfectly divisible by any,
//number is prime
for($i=2;$i<$num;$i++)
{
    $primeFlag=0;
    if(($num%$i)==0)
    {
        break;
    }
    $primeFlag=1;
}
if($primeFlag==1)
{
    echo " $num  is Prime Number";
}
else
{
    echo "$num is not  Prime number";
}
}
?>
```

Output:

Enter Your Number

11 is Prime Number

8	(IV) Write a PHP script to Check the given number is Palindrome or Not.
	<pre> <html> <body> <form method="POST"> Enter Number: <input type="text" name="number">
 <input type="submit" value="Check Number" name="submit"> </form> <?php if (isset(\$_POST['submit'])) { \$n=\$_POST['number']; \$temp = \$n; \$new = 0; while (floor(\$temp)) { \$d = \$temp % 10; \$new = \$new * 10 + \$d; \$temp = \$temp/10; } if (\$new == \$n){ echo "Palindrome :". \$n; } else{ echo "Not a Palindrome :". \$n; } } ?> </body> </html> </pre> <p>Output:</p> <div> <div>Enter Number: <input type="text"/></div> <div>Enter Number: <input type="text"/></div> <div>Check Number</div> <div>Check Number</div> <div>Palindrome :12321</div> <div>Not a Palindrome :123</div> </div>
9	(I) Write PHP script to demonstrate use of string function. strtolower(), strtoupper(), strlen(), ltrim(), rtrim(), trim(), substr(), strcmp(), strcasecmp(), strpos(), str_replace(), strrev()
	<pre> <?php \$str="Welcome to Diet"; echo "Input string : \$str"; echo "<h3> strtolower() function </h3>"; \$ans=strtolower(\$str); echo "Output : \$ans"; echo "<h3> strtoupper() function </h3>"; \$ans=strtoupper(\$str); echo "Output : \$ans"; </pre>

```

echo "<h3> strlen() function </h3>";
$ans=strlen($str);
echo "Output : $ans";
echo "<h3> trim(), ltrim() and rtrim() function </h3>";
$str1 = "      I like programming      ";
$str2 = "\r\nPHP is a popular programming language\r\n";
echo "Output of trim() without optional value: <b>".
trim($str1)."</b><br/>";
echo "Output of trim() with optional value: <b>". trim($str2,
"\r\n")."</b><br/><br/>";
$Str1 = "      PHP is a popular language      ";
$Str2 = "02JavaScript is client-side scripting language99";
echo "Output of ltrim() without optional value: <b>". ltrim( $Str1
)."</b><br/>";
echo "Output of ltrim() with optional value: <b>". ltrim( $Str2,
"0..9" )."</b><br/><br/>";
echo "Output of rtrim() without optional value: <b>". rtrim( $Str1
)."</b><br/>";
echo "Output of rtrim() with optional value: <b> ". rtrim( $Str2,
"0..9" )."</b><br/>";
echo "<h3> substr() function </h3>";
$ans=substr($str, 3, 6);
echo "Output of substr($str, 3, 6) : $ans";
echo "<h3> strcmp() function </h3>";
$str1 = "DietCE";
$str2 = "Dietce";
if (strcmp($str1, $str2) == 0) {
    echo "$str1 is equal to $str2";
}
else {
    echo "$str1 is not equal to $str2";
}
echo "<h3> strcasecmp() function </h3>";
$str1 = "DietCE";
$str2 = "DietCE";
if (strcasecmp($str1, $str2) == 0) {
    echo "$str1 is equal to $str2";
}
else {
    echo "$str1 is not equal to $str2";
}
echo "<h3> strpos() function </h3>";
$str="Welcome to Diet";
$findme="Diet";
$pos = strpos($str, $findme);
if ($pos === false) {
    echo "The string $findme was not found in the string $str";
}

```

```

} else {
    echo "The string $findme was found in the string $str";
    echo " and exists at position $pos";
}
echo "<h3> str_replace() function </h3>";
$str="Welcome to Diet";
echo "Input string : $str <br/>";
$output_str=str_replace("Diet","CE Dept.",$str);
echo "Output string : $output_str";

echo "<h3> strrev() function </h3>";
$str="Welcome to Diet";
echo "Input string : $str <br/>";
$output_str=strrev($str);
echo "Output string : $output_str";
?>
  
```

Output:

Input string : Welcome to Diet

strtolower() function

Output : welcome to diet

strtoupper() function

Output : WELCOME TO DIET

strlen() function

Output : 15

trim(), ltrim() and rtrim() function

Output of trim() without optional value: I like programming

Output of trim() with optional value: PHP is a popular programming language

Output of ltrim() without optional value: PHP is a popular language

Output of ltrim() with optional value: JavaScript is client-side scripting language99

Output of rtrim() without optional value: PHP is a popular language

Output of rtrim() with optional value: 02JavaScript is client-side scripting language

substr() function

Output of substr(Welcome to Diet, 3, 6) : come t

strcmp() function

DietCE is not equal to Dietce

strcasecmp() function

DietCE is equal to DietCE

strpos() function

The string Diet was found in the string Welcome to Diet and exists at position 11

str_replace() function

Input string : Welcome to Diet

Output string : Welcome to CE Dept.

strrev() function

Input string : Welcome to Diet

Output string : teiD ot emocleW

9 (II) Write PHP script to demonstrate use of Math functions. abs() & round(), ceil() & floor(), min() & max(), pow() & sqrt()

```

<?php
echo "<h3> abs() function </h3>";
$num=-10;
echo "Your number is : $num."<br>';
echo "Using abs function your number is : ".abs($num);
echo "<h3> round() function </h3>";
$num=5.39;
echo "Your number is : $num."<br>';
echo "Using round function your number is : ".round($num);
echo "<h3> floor() function </h3>";
$num=5.89;
echo "Your number is : $num."<br>';
  
```


	<pre> echo "Using floor function your number is : ".floor (\$num).'<!-->'; echo "<h3> ceil() function </h3>"; \$num=5.89; echo "Your number is : \$num".'</>'; echo "Using ceil function your number is : ".ceil (\$num).'</>'; echo "<h3> min() and max() function </h3>"; \$num=array(12,16,10,2,15); echo "Your number are : " . " " . \$num[0].",".\$num[1].",".\$num[2].",".\$num[3].",".\$num[4).'</>'; echo "Maximum number is : ".max (\$num).'</>'; echo "Minimum number is : ".min (\$num); echo "<h3> pow() function </h3>"; \$a=4; \$b=3; echo "a : \$a".'</>'; echo "b : \$b".'</>'; echo "Using pow function a^b is : ".pow(\$a,\$b).'</>'; echo "<h3> sqrt() function </h3>"; \$num=16; echo "Your number is : \$num".'</>'; echo "Using sqrt function your number is : ".sqrt (\$num); ?> </pre--> <p>Output:</p> <table border="1"> <tr> <td> <p>abs() function</p> <p>Your number is : -10 Using abs function your number is : 10</p> <p>round() function</p> <p>Your number is : 5.39 Using round function your number is : 5</p> <p>floor() function</p> <p>Your number is : 5.89 Using floor function your number is : 5</p> <p>ceil() function</p> <p>Your number is : 5.89 Using ceil function your number is : 6</p> </td><td> <p>min() and max() function</p> <p>Your number are : 12,16,10,2,15 Maximum number is : 16 Minimum number is : 2</p> <p>pow() function</p> <p>a : 4 b : 3 Using pow function a^b is : 64</p> <p>sqrt() function</p> <p>Your number is : 16 Using sqrt function your number is : 4</p> </td></tr> </table> </pre>	<p>abs() function</p> <p>Your number is : -10 Using abs function your number is : 10</p> <p>round() function</p> <p>Your number is : 5.39 Using round function your number is : 5</p> <p>floor() function</p> <p>Your number is : 5.89 Using floor function your number is : 5</p> <p>ceil() function</p> <p>Your number is : 5.89 Using ceil function your number is : 6</p>	<p>min() and max() function</p> <p>Your number are : 12,16,10,2,15 Maximum number is : 16 Minimum number is : 2</p> <p>pow() function</p> <p>a : 4 b : 3 Using pow function a^b is : 64</p> <p>sqrt() function</p> <p>Your number is : 16 Using sqrt function your number is : 4</p>
<p>abs() function</p> <p>Your number is : -10 Using abs function your number is : 10</p> <p>round() function</p> <p>Your number is : 5.39 Using round function your number is : 5</p> <p>floor() function</p> <p>Your number is : 5.89 Using floor function your number is : 5</p> <p>ceil() function</p> <p>Your number is : 5.89 Using ceil function your number is : 6</p>	<p>min() and max() function</p> <p>Your number are : 12,16,10,2,15 Maximum number is : 16 Minimum number is : 2</p> <p>pow() function</p> <p>a : 4 b : 3 Using pow function a^b is : 64</p> <p>sqrt() function</p> <p>Your number is : 16 Using sqrt function your number is : 4</p>		
9	<p>(III) Write PHP script to demonstrate use of date/time functions. date(), getDate(), Setdate(), time(), checkdate()</p>		
	<pre> <?php echo "<h3> date() function </h3>"; echo "Using date function : ".date("d/m/Y"); </pre>		

	<pre> echo "<h3> getdate() function </h3>"; \$today=getdate(); print_r (\$today)."
"; echo "<h3> setDate() function </h3>"; \$datetime = new DateTime(); \$datetime->setDate(1990,11,19); echo \$datetime->format('Y-m-d'); echo "<h3> time() function </h3>"; \$t=time(); echo(\$t . "
"); echo(date("Y-m-d",\$t)); echo "<h3> checkdate() function </h3>"; echo "Using checkdate function (2,29,2003) is : "; var_dump(checkdate(2,29,2003)); echo '
'. "Using checkdate function (1,29,2003) is : "; var_dump(checkdate(1,29,2003)); ?> Output: date() function Using date function : 24/04/2020 getdate() function Array ([seconds] => 2 [minutes] => 55 [hours] => 8 [mday] => 24 [wday] => 5 [mon] => 4 [year] => 2020 [yday] => 114 [weekday] => Friday [month] => April [0] => 1587711302 setDate() function 1990-11-19 time() function 1587711303 2020-04-24 checkdate() function Using checkdate function (2,29,2003) is : bool(false) Using checkdate function (1,29,2003) is : bool(true) </pre>
9	<p>(IV) Write a PHP program to check whether the given string is palindrome or not.</p>
	<pre> <html> <head> </head> <body> <h2>PHP Script to Check Whater the String is palindrom or not</h2> <form action="" method="post"> <input type="text" name="myString" /> <input type="submit" /> </form> <?php if(isset(\$_POST['myString'])) </pre>

```

    {
        $str = $_POST['myString'];
// Without strrev function
        $flag = false;
        for($i=0;$i<strlen($str);$i++){
            if($str[$i]!=$str[strlen($str)-1-$i]){
                $flag = true;
                break;
            }
        }
        if($flag){
            echo("String is not Palindrom<br/>");
        }
        else{
            echo("String is Palindrom<br/>");
        }
    }
    ?>
</body>
</html>

```

Output:

PHP Script to Check Whater the String is palin

String is Palindrom

9 (V) Write a PHP program to find number of vowels in a given string.

```

<html>
<head>
</head>
<body>
    <h2>PHP Script to Check number of vowels in a String</h2>
    <form action="" method="post">
        <input type="text" name="myString" />
        <input type="submit" />
    </form>
    <?php
    if(isset($_POST['myString']))
    {
//get the input value and convert string to lowercase
        $string = strtolower($_POST['myString']);
//all vowels in array

```

```

        $vowels = array('a','e','i','o','u');
//find length of the string
        $len = strlen($string);
        $num = 0;
//loop through each letter
        for($i=0; $i<$len; $i++){
            if(in_array($string[$i], $vowels))
            {
                $num++;
            }
        }
        echo "Number of vowels : <span style='color:green; font-weight:bold;'>". $num . "</span>";
    }
?>
</body>
</html>

```

Output:

PHP Script to Check number of vowels in a String

hello diet

Number of vowels : 4

- 10 (I) Write an HTML page that has one input, which can take multi-line text and a submit button. Once the user clicks the submit button, it should show the number of characters, lines and words in the text entered using an alert message. Words are separated with white space and lines are separated with new line character.**

```

<html>
<head>
    <script>
        function countWords(str)
        {
            var count = 0;
            words = str.split(" ");
            for (i=0 ; i < words.length ; i++){
                // inner loop -- do the count
                if (words[i] != "")
                    count += 1;
            }
            theForm.displaycountwords.value=count;
        }
        function countLines()
        {

```

```

        var area = document.getElementById("texta");
        // trim trailing return char if exists
        var text = area.value.replace(/\s+$/g,"");
        var split = text.split("\n");
        theForm.displaylinecount.value=split.length;
    }
    function countit(what){
        formcontent=what.form.inStr.value;
        what.form.displaycount.value=formcontent.length;
    }
</script>
</head>
<body>
    <h3><font color="blue">COUNT TOTAL NUMBER OF WORDS CHARACTERS
    AND LINES</font></h3>
    <form name="theForm">
        Enter a text string:
        <textarea name="inStr" id="texta" rows=5 cols=15>
        </textarea>

        <br>
        <table>
            <tr>
                <td width="100%"><div align="right"><p><input
                type="button" value="Calculate Words"
                onClick="countWords(document.theForm.inStr.value)">
                    <input type="text"
                name="displaycountwords" size="20"></p>
                </div></td>
            </tr>
            <tr>
                <td width="100%"><div align="right"><p><input
                type="button" value="Calculate Characters" onClick="countit(this)">
                    <input type="text" name="displaycount"
                size="20"></p>
                </div></td>
            </tr>
            <tr>
                <td width="100%"><div align="right"><p><input
                type="button" value="Count Lines" onClick="countLines()">
                    <input type="text"
                name="displaylinecount" size="20"></p>
                </div></td>
            </tr>
            <tr>
                <td colspan="2" align="center">

```

```

value="Clear Results"
<input type=button name="theButton"
onClick="document.theForm.reset()">
</td>
</tr>
</table>
<br>
</form>
</body>
</html>

```

Output:

COUNT TOTAL NUMBER OF WORDS CHARACTERS AND LINES

Enter a text string:

Hello Diet
 How are you
 Good Morning

Calculate Words	7
Calculate Characters	37
Count Lines	3
<input type="button" value="Clear Results"/>	

10 (II) Write PHP Script to demonstrate use of Indexed/Numeric arrays and for FOR EACH loop execution.

```

<?php
echo "<h3> Indexed array </h3>";
$color=array("Red","Green","Black","White");
foreach ($color as $val)
{
    echo $val."<br/>";
}
?>

```

Output:

Indexed array

Red
 Green
 Black
 White

10	<p>(III) Write PHP Script to demonstrate use of associative arrays and for FOR EACH loop execution.</p> <pre><?php echo "<h3> Associative array </h3>"; \$color=array("R"=>"Red", "G"=>"Green", "B"=>"Black", "W"=>"White"); foreach (\$color as \$key=>\$val) { echo \$key."--".\$val."
"; } ?></pre> <p>Output:</p> <p>Associative array</p> <p>R--Red G--Green B--Black W--White</p>
10	<p>(IV) Write PHP Script to demonstrate use of mixed array indexed associative arrays and print using print_r() function</p> <pre><?php // Multidimensional array \$CollegeInfo = array("Degree" => array("Name" => "Darshan Institute of Engineering & Technology, Rajkot", "College timings" => "07:45 AM - 01:50 PM", "Course Duration" => "4 Years (8 Semesters)"), "Diploma" => array("Name" => "Darshan Institute Of Engineering & Technology For Diploma Studies, Rajkot", "College timings" => "10:20 AM - 04:20 PM", "Course Duration" => "3 Years (6 Semesters)")); // Printing all the keys and values one by one \$keys = array_keys(\$CollegeInfo); for(\$i = 0; \$i < count(\$CollegeInfo); \$i++) { echo \$keys[\$i] . "
"; foreach(\$CollegeInfo[\$keys[\$i]] as \$key => \$value) { echo \$key . " : " . \$value . "
"; } echo "
"; }</pre>


```
}
echo "<h3>Using print_r() function : </h3>";
print_r($CollegeInfo);
?>
```

Output:

```
Degree{
  Name : Darshan Institute of Engineering & Technology, Rajkot
  College timings : 07:45 AM - 01:50 PM
  Course Duration : 4 Years (8 Semesters)
}
Diploma{
  Name : Darshan Institute Of Engineering & Technology For Diploma Studies, Rajkot
  College timings : 10:20 AM - 04:20 PM
  Course Duration : 3 Years (6 Semesters)
}
```

Using print_r() function :



```
Array ( [Degree] => Array ( [Name] => Darshan Institute of Engineering & Technology, Rajkot [College timings] => 07:45 AM - 01:50 PM [Course Duration] => 4 Years (8 Semesters) )
[Diploma] => Array ( [Name] => Darshan Institute Of Engineering & Technology For Diploma Studies, Rajkot [College timings] => 10:20 AM - 04:20 PM [Course Duration] => 3 Years (6 Semesters) ) )
```

11 (I) Create HTML page that contain textbox, submit / reset button. Write a PHP program to display this information and also store into text file.

```
<html>
<head>
  <title>Store form data in .txt file</title>
</head>
<body>
  <form name="myForm" method="post">
    Enter Your Text Here:<br>
    <input type="text" name="textdata"><br>
    <input type="submit" name="submit">
    <input type="reset" name="reset" value="Reset">
  </form>
</body>
</html>
<?php
if(isset($_POST['textdata']))
{
  $data=$_POST['textdata'];
  $fp = fopen('data.txt', 'w');
  fwrite($fp, $data);
  fclose($fp);
}
?>
```

Output:

Enter Your Text Here:

11	(II) Write a PHP program that demonstrate passing variable using URL.
	<p>pr_11_2_index.php</p> <pre><?php \$fname="Ritesh"; \$lname="Patel"; ?> <a href=" Pr_11_2_Retrieve.php?First_name=<?php echo \$fname; ?>&last_name=<?php echo \$lname; ?>"> Click here to Pass Variable through URL </pre> <p>pr_11_2_Retrieve.php</p> <pre><?php echo "First Name : ".\$_GET['First_name']."
"; echo "Last Name : ".\$_GET['last_name']; ?></pre> <p>Output:</p>  
11	(III) Create a Student Registration form using different HTML form elements and display all student information on another page using PHP.
	<p>pr_11_3_studentForm.php</p> <pre><html> <body> <form method="post" action="studentDetails.php"> <center>Enter Following Detail <hr> <table border=1 align=center> <tr> <td>Student Name</td> <td><input type=text name="sn" placeholder = "Full Name"></td> </tr> </tr></pre>

```

        <td>Enrollment No.</td>
        <td><input type="text" name="en"
placeholder=" Enrollment Number "></></td>
    </tr>
    <tr>
        <td>Institute</td>
        <td><input type="text" name="inst" size=30
placeholder = "College Name"></></td> </tr>
    <tr>
        <td colspan="2">
            <input type="submit" name="submit"
value="submit">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

studentDetails.php

```

<?php
if(isset($_POST['submit']))
{
    $sn=$_POST['sn'];
    $en=$_POST['en'];
    $inst=$_POST['inst'];
    echo "Student Name : $sn <br>";
    echo "Enrollment No. : $en <br>";
    echo "Institute : $inst <br>";
}
?>

```

Output:


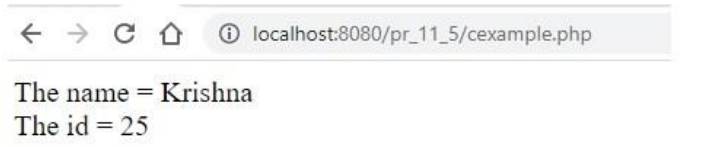
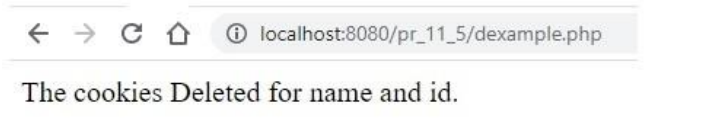
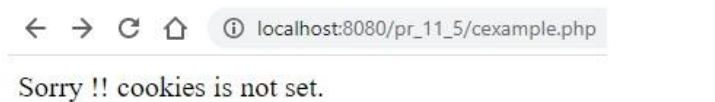
Enter Following Detail

Student Name	Pranav
Enrollment No.	1234567
Institute	Diet, Rajkot
<input type="submit" value="submit"/>	

Student Name : Pranav
 Enrollment No. : 1234567
 Institute : Diet, Rajkot

11	<p>(IV) Write a PHP script to make a web application takes a name as input and on submit it shows a hello<name> page where <name> is taken from the request. And it shows a start time at the right top corner of the page and provides the logout button on clicking this button it should shoe a logout page with thankyou<name> message with the duration of Usage.</p>
	<p>Home.php</p> <pre><?php session_start(); date_default_timezone_set("Asia/Calcutta"); \$_SESSION['luser'] = \$_POST['text1']; \$_SESSION['start'] = time(); \$tm=\$_SESSION['start']; print "<p align='right'>Session started at " . date("h:i:sa",\$tm) . "
"; print "<form action='logoutpage.php' method='post'>"; print "<input type='submit' value='Logout'></p>"; print "</form>"; print "Hello " . \$_SESSION['luser']; ?></pre> <p>Login.html</p> <pre><html> <form action="home.php" method="post"> Username<input type="text" name="text1">
 <input type="submit" value="SignIn" name="submit"> </form> </html></pre> <p>Logoutpage.php</p> <pre><?php session_start(); date_default_timezone_set("Asia/Calcutta"); print "<p align='right'>Session started at " . date("h:i:sa",time()) . "</p>
"; print "Thank you " . \$_SESSION['luser']; \$sessiontime = time() - \$_SESSION['start']; print "
 Your session duration: " . \$sessiontime . " seconds"; session_destroy(); ?></pre>

	<p>Output:</p> <p>Username <input type="text" value="Diet"/></p> <p><input type="button" value="SignIn"/></p> <hr/> <p>Session started at 04:20:53pm</p> <p><input type="button" value="Logout"/></p> <p>Hello Diet</p> <hr/> <p>Session started at 04:21:42pm</p> <p>Thank you Diet Your session duration: 49 seconds</p>
<p>11</p>	<p>(V) Write a program that demonstrate use of cookies.</p>
	<p>example.php</p> <pre><?php setcookie("name","Krishna", time() + 3600, "/", "", 0); setcookie("id", "25", time() + 3600, "/", "", 0); ?> <HTML> <head> <title>Create cookies in PHP</title> </head> <body> <?php echo "The cookies created for name and id."; ?> </body> </HTML></pre> <p>cexample.php</p> <pre><HTML> <head> <title>Retrieve cookies in PHP</title> </head> <body> <?php if(isset(\$_COOKIE["name"]) && isset(\$_COOKIE["id"])) { echo " The name = " . \$_COOKIE["name"] . "
"; echo "The id = " . \$_COOKIE["id"]; } else { echo "Sorry !! cookies is not set."; } }</pre>

	<pre> ?> </body> </HTML> dexample.php <?php setcookie("name","", time() - 3600, "/", "", 0); setcookie("id", "", time() - 3600, "/", "", 0); ?> <HTML> <head> <title>Delete cookies in PHP</title> </head> <body> <?php echo "The cookies Deleted for name and id."; ?> </body> </HTML> </pre> <p>Output:</p>    
12	<p>Write PHP Script for storing and retrieving user information from MySql table.</p> <p>I. Design a HTML page which takes Name, Address, Email and Mobile No. From user (register.PHP)</p> <p>II. Store this data in Mysql database.</p> <p>III. Next page display all user in html table using PHP (display.PHP)</p>
	<p>reg.html</p> <pre> <html> <body> <form action="insert.php" method="post"> </pre>

```

<table>
  <tr>
    <td>
      Full Name :</td>
    <td>
      <input type="text" name = "fname" /></td></tr>
    <tr><td>
      Address :</td><td> <input type="text" name = "address"
/></td></tr>
    <tr><td>
      Email :</td><td> <input type="email" name = "email"
/></td></tr>
    <tr><td>
      Mobile No :</td><td> <input type="mobile" name = "mobile"
/></td></tr>
    <tr><td colspan="2" style="text-align: center; ">
      <input type="submit" />
    </td></tr>

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

```

insert.php

```

<?php
$mysqli = new mysqli("localhost","root","","users");
$fname = $mysqli->real_escape_string($_POST['fname']);
$address = $mysqli->real_escape_string($_POST['address']);
$email = $mysqli->real_escape_string($_POST['email']);
$mobile = $mysqli->real_escape_string($_POST['mobile']);
$query = "INSERT INTO studentdata (fname, address, email, mobile)
VALUES ('{$fname}','{$address}','{$email}','{$mobile}')";
$mysqli->query($query);
$mysqli->close();
echo "Entered data successfully\n";
?>

```

display.php

```

<html>
<body>
  <?php
    $mysqli = new mysqli("localhost","root","","users");
    $query = "SELECT * FROM studentdata";

    echo '<table border="1" cellpadding="2" cellspacing="2">
    <tr>
      <td> <font face="Arial">ID</font> </td>

```

```
<td> <font face="Arial">Name</font> </td>
<td> <font face="Arial">Address</font> </td>
<td> <font face="Arial">Email</font> </td>
<td> <font face="Arial">Mobile</font> </td>
</tr>';
if ($result = $mysqli->query($query)) {
    while ($row = $result->fetch_assoc()) {
        $field1name = $row["id"];
        $field2name = $row["fname"];
        $field3name = $row["address"];
        $field4name = $row["email"];
        $field5name = $row["mobile"];

        echo '<tr>
        <td>'.$field1name.'</td>
        <td>'.$field2name.'</td>
        <td>'.$field3name.'</td>
        <td>'.$field4name.'</td>
        <td>'.$field5name.'</td>
        </tr>';
    }
    $result->free();
}
?>
</body>
</html>
```

Output:

Full Name :

Address :

Email :

Mobile No :

ID	Name	Address	Email	Mobile
1	Amar	Rajkot	amar@gmail.	9814235421
2	Jay	Morbi	jay@gmail.com	9814235621
3	Tapan	Baroda	tapan@abc.com	7835427854
4	Vishal	Surat	vishal11@gmail.com	9714276264
5	Chirag	Rajkot	chirag@yahoo.co.in	9714253647

13	<p>(I) Create a student Registration in PHP and Save and Display the student Records.</p> <p>studentReg.html</p> <pre> <html> <head> </head> <body> <form name="contactForm" action="insertData.php" method="post"> <table><tr><td colspan="2"> <h2>Student Registration Form</h2></td></tr> <tr><td> <label>Full Name</label></td> <td> <input type="text" name="name"></td> </tr> <tr><td> <label>Email Address</label></td> <td> <input type="text" name="email"></td> </tr> <tr><td> <label>Mobile Number</label></td> <td> <input type="text" name="mobile" maxlength="10"></td> </tr> <tr><td> <label>Branch</label></td> <td> <select name="branch"> <option>Select</option> <option>CE</option> <option>ME</option> <option>CIVIL</option> <option>ELE</option> </select> </td> </tr> <tr><td> <label>Semester</label></td> <td> <select name="semester"> <option value="1">1st</option> <option value="2">2nd</option> <option value="3">3rd</option> <option value="4">4th</option> <option value="5">5th</option> <option value="6">6th</option> <option value="7">7th</option> </pre>
-----------	---


```

        <option value="8">8th</option>
    </select></td>
</tr>
<tr><td>
    <label>Gender</label></td>
    <td>
        <div class="form-inline">
            <label><input type="radio" name="gender"
value="male"> Male</label>
            <label><input type="radio" name="gender"
value="female"> Female</label>
        </div></td>
    </tr>

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

```

insertData.php

```

<?php
$mysqli = new mysqli("localhost","root","","users");
$name = $mysqli->real_escape_string($_POST['name']);
$email = $mysqli->real_escape_string($_POST['email']);
$mobile = $mysqli->real_escape_string($_POST['mobile']);
$branch = $mysqli->real_escape_string($_POST['branch']);
$sem = $mysqli->real_escape_string($_POST['semester']);
$gender = $mysqli->real_escape_string($_POST['gender']);
$query = "INSERT INTO studentdetails
(name,email,mobile,branch,sem,gender)
VALUES
('{$name}','{$email}','{$mobile}','{$branch}','{$sem}','{$gender}')"
;
$mysqli->query($query);
$mysqli->close();
echo "Entered data successfully\n";
header('Location: displayStudents.php');
?>

```

displayStudents.php

```

<html>
<body>
    <?php
    $mysqli = new mysqli("localhost","root","","users");

```

```
$query = "SELECT * FROM studentdetails";
echo '<table border="1" cellpadding="2" cellspacing="2">
<tr>
<td> <font face="Arial">ID</font> </td>
<td> <font face="Arial">Name</font> </td>
<td> <font face="Arial">Email</font> </td>
<td> <font face="Arial">Mobile</font> </td>
<td> <font face="Arial">Branch</font> </td>
<td> <font face="Arial">Semester</font> </td>
<td> <font face="Arial">Gender</font> </td>
</tr>';
if ($result = $mysqli->query($query)) {
    while ($row = $result->fetch_assoc()) {
        $field1name = $row["id"];
        $field2name = $row["name"];
        $field3name = $row["email"];
        $field4name = $row["mobile"];
        $field5name = $row["branch"];
        $field6name = $row["sem"];
        $field7name = $row["gender"];

        echo '<tr>
<td>'.$field1name.'</td>
<td>'.$field2name.'</td>
<td>'.$field3name.'</td>
<td>'.$field4name.'</td>
<td>'.$field5name.'</td>
<td>'.$field6name.'</td>
<td>'.$field7name.'</td>
</tr>';
    }
    $result->free();
}
?>
</body>
</html>
```

Output:

Student Registration Form

Full Name

Email Address

Mobile Number

Branch

Semester

Gender ☒ Male ☐ Female

ID	Name	Email	Mobile	Branch	Semester	Gender
1	Kartik Patel	kartik@gmail.com	9898989898	CE	4	male
2	Rupal Patel	rupal@gmail.com	9999999999	CE	6	female
3	Heena Soni	hina@gmail.com	9876543210	CE	8	female
4	Kishan Fefar	kishan@gmail.com	9876543210	CIVIL	4	male

- 13 (II) The user is first served a login page which takes users name and password .After submitting the details the server checks these values against the data from a database and takes the following decisions**
- If name and password matches, serves a welcome page with user's full name**
 - If name matches and password doesn't match then serves password mismatch page**
 - If name not found in database, serves a registration page where users full name is asked and on submitting the full name, it stores ,the login name, password and full name in the database(HINT: Use session for storing the submitted login name and password.)**

login.php

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
    <form action="con_Login.php" method="post">
        <table>
            <?php
```

```

        if(isset($_GET['err'])){
            ?>
            <tr>
                <td colspan="3" style="color: red"><?php
echo($_GET['err']); ?></td>
            </tr>
            <?php
        }
        ?>
        <?php
        if(isset($_GET['msg'])){
            ?>
            <tr>
                <td colspan="3" style="color:
green"><?php echo($_GET['msg']); ?></td>
            </tr>
            <?php
        }
        ?>
        <tr>
            <td>Enter username</td>
            <td>:</td>
            <td><input type="text" name="Username"></td>
        </tr>
        <tr>
            <td>Enter password</td>
            <td>:</td>
            <td><input type="password"
name="Password"></td>
        </tr>
        <tr>
            <td colspan="3" align="center"><input
type="submit" value="login"></td>
        </tr>
    </table>
</form>
</body>
</html>

```

con_Login.php

```

<?php
session_start();
$con = mysqli_connect("localhost","root","","labmanualdemo");
$Username = $_POST['Username'];
$Password = $_POST['Password'];
$sql = "select * from users where Username='$Username'";
$result = mysqli_query($con,$sql);
$row = mysqli_fetch_assoc($result);

```

```
if($row){
    if($row['Password']==$Password){
        $_SESSION['Username'] = $Username;
        header("Location: welcome.php");
    }
    else{
        header("Location: login.php?err=userpassnotmatch");
    }
}
else{
    header("Location: registration.php");
}
?>
```

welcome.php

```
<?php
session_start();
?>
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
    Welcome,
    <?php
    echo($_SESSION['Username']);
    ?>
</body>
</html>
```

registration.php

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>

    <form action="con_Registration.php" method="post">
        <table>
            <tr>
                <td>Enter username</td>
                <td>:</td>
                <td><input type="text" name="Username"></td>
            </tr>
```

```

        <tr>
            <td>Enter password</td>
            <td>:</td>
            <td><input type="password"
name="Password"></td>
        </tr>
        <tr>
            <td colspan="3" align="center"><input
type="submit" value="Register"></td>
        </tr>
    </table>
</form>

</body>
</html>

```

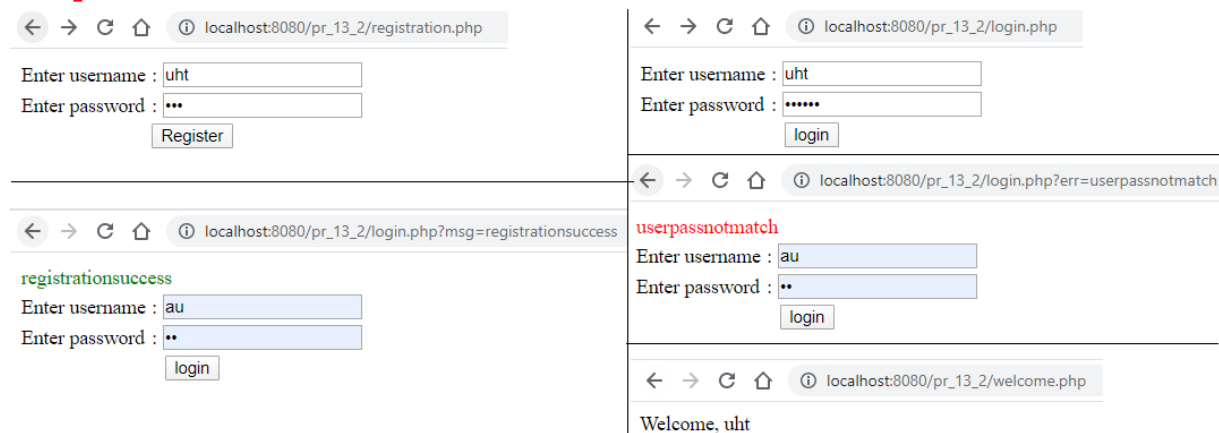
con_Registration.php

```

<?php
$con = mysqli_connect("localhost","root","","labmanualdemo");
$Username = $_POST['Username'];
$Password = $_POST['Password'];
$sql = "INSERT INTO Users (UserID, Username, Password) VALUES (NULL,
'$Username', '$Password')";
$result = mysqli_query($con,$sql);
if($result){
    header("Location: login.php?msg=registrationsuccess");
}
else{
    header("Location: registration.php?err=registrationfailed");
}
?>

```

Output:



The output shows a sequence of browser screenshots:

- Registration Form:** A form with fields for "Enter username" (value: uht) and "Enter password" (masked with dots), and a "Register" button. The browser address bar shows `localhost:8080/pr_13_2/registration.php`.
- Registration Success:** A message "registrationsuccess" is displayed. The form fields now contain "au" for username and "••" for password. The browser address bar shows `localhost:8080/pr_13_2/login.php?msg=registrationsuccess`.
- Login Form:** A form with fields for "Enter username" (value: uht) and "Enter password" (masked with dots), and a "login" button. The browser address bar shows `localhost:8080/pr_13_2/login.php`.
- Login Failure:** A message "userpassnotmatch" is displayed. The form fields now contain "au" for username and "••" for password. The browser address bar shows `localhost:8080/pr_13_2/login.php?err=userpassnotmatch`.
- Welcome Message:** A message "Welcome, uht" is displayed. The browser address bar shows `localhost:8080/pr_13_2/welcome.php`.

14 (I) Write PHP code to upload image.

file-upload-form.php

```
<html>
<head>
    <title>File Upload Form</title>
</head>
<body>
    <form action="upload-manager.php" method="post"
enctype="multipart/form-data">
        <h2>Upload File</h2>
        <label for="fileSelect">Filename:</label>
        <input type="file" name="photo" id="fileSelect">
        <input type="submit" name="submit" value="Upload">
        <p><strong>Note:</strong> Only .jpg, .jpeg, .gif, .png
formats allowed to a max size of 5 MB.</p>
    </form>
</body>
</html>
```

upload-manager.php

```
<?php
// Check if the form was submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){
    // Check if file was uploaded without errors
    if(isset($_FILES["photo"]) && $_FILES["photo"]["error"] == 0){
        $allowed = array("jpg" => "image/jpg", "jpeg" =>
"image/jpeg", "gif" => "image/gif", "png" => "image/png");
        $filename = $_FILES["photo"]["name"];
        $filetype = $_FILES["photo"]["type"];
        $filesize = $_FILES["photo"]["size"];

        // Verify file extension
        $ext = pathinfo($filename, PATHINFO_EXTENSION);
        if(!array_key_exists($ext, $allowed)) die("Error: Please
select a valid file format.");

        // Verify file size - 5MB maximum
        $maxsize = 5 * 1024 * 1024;
        if($filesize > $maxsize) die("Error: File size is larger
than the allowed limit.");

        // Verify MYME type of the file
        if(in_array($filetype, $allowed)){
            // Check whether file exists before uploading it
            if(file_exists("upload/" . $filename)){
                echo $filename . " is already exists.";
```

	<pre> } else{ move_uploaded_file(\$_FILES["photo"]["tmp_name"], "upload/" . \$filename); echo "Your file was uploaded successfully."; } } else{ echo "Error: There was a problem uploading your file. Please try again."; } } else{ echo "Error: " . \$_FILES["photo"]["error"]; } } ?> </pre> <p>Output:</p> <p>Upload File</p> <p>Filename: <input type="text" value="Choose File"/> No file chosen <input type="button" value="Upload"/></p> <p>Note: Only .jpg, .jpeg, .gif, .png formats allowed to a max size of 5 MB.</p>
14	<p>(II) Write a program that keeps track of how many times a visitor has loaded the page.</p>
	<pre> <?php session_start(); if(isset(\$_SESSION['views'])) \$_SESSION['views'] = \$_SESSION['views']+1; else \$_SESSION['views']=1; echo"views = ".\$_SESSION['views']; ?> </pre> <p>Output:</p> <p>Views = 3</p>
14	<p>(III) Write a program that displays a different message based on time of day. For example page should display “Good Morning” if it is accessed in the morning</p>
	<pre> <?php function welcome(){ if(date("H") < 12){ return "Good morning"; }elseif(date("H") > 11 && date("H") < 18){ return "Good afternoon"; } } </pre>


```
}elseif(date("H") > 17){  
    return "Good evening";  
}  
}  
echo welcome(); ?>
```

Output:
Good morning