

Practicals

1. Use of Basic Tags

a. Design a web page using different text formatting tags

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>different text formatting tags</title>
</head>
<body>
  <hgroup>
    <h1>heading1</h1>
    <h2>heading2</h2>
  </hgroup>
  <p>the gardener poem says,...</p>
  <blockquote>
    silly gardener!summer goes<br>
    and winter comes with pinching<br>
    when in the garden bare and brown<br>
    you must lay your barrow down<br>
  </blockquote><br>
  <b><i>hello friends</i></b>
  h<sub>2</sub>so<sub>4</sub><br>
  (a+b)<sup>2</sup>=a<sup>2</sup>+2ab+b<sup>2</sup><br>
  h<sub>2</sub>o<br>
  <kbd>hello</kbd><br>
  <code>hello</code><br>
  <samp>hello</samp><br><br>
  <pre>hello friends      how are you? I am fine and I hope you will also fine.
</pre><br><br>
</body>
</html>
```

b. Design a web page with links to different pages and allow navigation between web pages.

- a. Create page one.html having a link to two.html, create two.html having a link to three.html. Print "Welcome to Hyperlinks" in three.html.
- b. Create an html page and demonstrate "Hyperlinking to anchor" i.e. linking within the same page using the concept of bookmarks/anchors.

A:

One.html

```
<!DOCTYPE html>
<html>
<head>
  <title>One</title>
</head>
<body>
  <a href="two.html">Go to Two.html</a>
</body>
</html>
```

Two.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Two</title>
</head>
<body>
  Welcome to two.html.
  <br>
  <a href="three.html">Go to three.html</a>
</body>
</html>
```

Three.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Three</title>
</head>
<body>
  Welcome to Hyperlinks.
</body>
</html>
```

B:

```
<!DOCTYPE html>
<html>
<head>
  <title>linking within the same file</title>
</head>
<body>
  <a name="top">top region</a>
  <br>
  <a href="#bottom">go to bottom</a>
  <!--add large textual content-->
  <a name="bottom">bottom region</a>
  <br>
  <a href="#top">go to top</a>
</body>
</html>
```

- c. Design a web page demonstrating all Style sheet types:
Generate a nested list as follows: (Display Fruits and Vegetables in “red” font color using inline style, Display Mango, Banana and Apple in font color “Blue” and Tomato, Potato and Carrot in font color “Yellow” using internal stylesheet, set background color for Fruits and Vegetables to pink using external stylesheet). Hint: use id/class attributes and/or styles for nested tags.
- Fruits
 - I. Mango
 - II. Banana

- III. Apple
- a. Vegetables
- IV. Tomato
- V. Potato
- VI. Carrot

Main.html:

```
<!DOCTYPE html>
<html>
  <head>
    <title>nested lists</title>
    <style type="text/css">
      .fruits{color:blue}
      .vegetables{color:yellow}
    </style>
    <link rel="stylesheet" type="text/css" href="one.css">
  </head>
  <body>
    <ul style="list-style-type:filled square">
      <li class="bg" style="color:red">fruits</li>
      <ol style="list-style-type:upper-roman">
        <li class="fruits">banana</li>
        <li class="fruits">apple</li>
        <li class="fruits">mango</li>
      </ol>
    </ul>
    <ol style="list-style-type:lower-alpha">
      <li class="bg" style="color:red">vegetables</li>
      <ol class="grp1" start="4" style="list-style-type:uppger-roman">
        <li class="vegetables">tomato</li>
        <li class="vegetables">potato</li>
        <li class="vegetables">carrot</li>
      </ol>
    </ol>
  </body>
</html>
```

One.css

```
.bg{background-color:pink}
```

2. Image maps, Tables, Forms and Media

a. Design a web page with Imagemaps.

Code:

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

	<pre> <body> <map name="m1"> <area shape="poly" coords="355,367,390,262,424,367" href="first.html"> <area shape="circle" coords="305,216,44" href="one.html"> <area shape="circle" coords="496,213,38" href="two.html"> <area shape="rectangle" coords="278,407,473,443" href="three.html"> </map> </body> </html> </pre>
b.	<p>Design a web page demonstrating different semantics:</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>Semantic Example</title> </head> <body> <header> <h1>The Garden Company</h1> <h5 style="clear:left">Helping your garden grow</h5> </header> <nav> <hr> </hr> </nav> <article>Welcome to Home Page
 </article> We are expert in Gardening. </article> <aside> what does<i>mean?</i> run into an unfamiliar gardening term? </aside> <footer> <hr style="height:5px"> copyright &copy; 2012 </footer> </body> </html> </pre>
c.	<p>Design a web page with different tables. Design a webpages using table so that the content appears well placed.</p> <p>Code:</p>

	<pre> <!DOCTYPE html> <html> <head> <title>Layout with table</title> </head> <body> <h1>The Garden Company</h1> <h5><i>Helping you help your gardens grow since 1975</i></h5> <hr> <table> <tr> <td style="width: 150px"> <p style="margin:0px"> </p> </td> <td> <p> Fruit trees are now in stock! We have just received a large shipment of peach, pear, apple, and plum trees with sturdy root systems and healthy foliage, with prices as low as \$29.99. Visit the Products page for details.</p> </td> </tr> </table> </body> </html> </pre>
d.	<p>Design a web page with a form that uses all types of controls</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>Password Input Control</title> </head> <body> <form > User ID : <input type="text" name="user_id" />
 Password: <input type="password" name="password" />
 </pre>

	<pre> Description :
 <textarea rows="5" cols="50" name="description"> Enter description here... </textarea>
 <input type="checkbox" name="maths" value="on"> Maths <input type="checkbox" name="physics" value="on"> Physics
 <input type="radio" name="subject" value="maths"> Maths <input type="radio" name="subject" value="physics"> Physics
 <select name="dropdown"> <option value="Maths" selected>Maths</option> <option value="Physics">Physics</option> </select>
 <input type="submit" name="submit" value="Submit" /> <input type="reset" name="reset" value="Reset" /> <input type="button" name="ok" value="OK" /> <input type="image" name="imagebutton" src="/html/images/logo.png" /> </form> </body> </html> </pre>
<p>e.</p>	<p>Design a web page embedding with multimedia features.</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>Multimedia</title> </head> <body> Video File: <video width="240" height="320" controls> <source src="myvideo.ogv" type="video/ogg"> <source src="myvideo.mp4" type="video/mp4"> <source src="myvideo.avi" type="video/avi"> <embed src="myvideo.mp4"> </video>
 Audio File: <audio width="240" height="320" controls> <source src="myaudio.ogv"> <source src="myaudio.mp4"> <source src="myaudio.avi"> <embed src="myaudio.mp4"> </audio> </body> </html> </pre>

3.	Java Script
a.	<p>Using JavaScript design, a web page that prints factorial/Fibonacci series/any given series.</p> <p>Factorial:</p> <pre> <!DOCTYPE html> <html> <head> <title>Factorial Demo</title> <script language="javascript"> var x=parseInt(prompt("Enter a number","")); var fact=1,i; for(i=1;i<=x;i++) fact*=i; document.write("<h1>Factorial of "+x+" is : "+fact+"</h1>"); </script> </head> <body> </body> </html> </pre> <p>Fibonacci:</p> <pre> <!DOCTYPE html> <html> <head> <title>Fibonacci series Demo</title> <script language="javascript"> var a=0,b=1,c,n,i; n=parseInt(prompt("Enter limit for fibonacci series:","")); document.write("<h2> Fibonacci series: </h2>
"); document.write(a+" "+b+" "); for(i=2;i<n;i++) { c=a+b; document.write(c+" "); a=b; b=c; } </script> </head> <body> </body> </html> </pre>
b.	<p>Design a form and validate all the controls placed on the form using Java Script.</p> <pre> <html> <head> <title>Form Validation</title> <script type="text/javascript"> function validate() { </pre>

```

        if( document.myForm.Name.value == "" )
        {
            alert( "Please provide your name!" );
            document.myForm.Name.focus();
            return false;
        }
        if( document.myForm.EMail.value == "" )
        {
            alert( "Please provide your Email!" );
            document.myForm.EMail.focus();
            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;
        }
        return(true);
    }
</script>
</head>
<body>
<form name="myForm" onsubmit="return(validate());">
    <table cellspacing="2" cellpadding="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>
        <tr>
            <td align="right">Country</td>
            <td>

```


	<pre> <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"></td> <td><input type="submit" value="Submit" /></td> </tr> </table> </form> </body> </html> </pre>
c.	<p>Write a JavaScript program to display all the prime numbers between 1 and 100.</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>prime number</title> <script> for(var i=1;j<=100;i++) { var flag=0; for(var j=2;j<=i/2;j++) { if(i%j==0) { flag=1; break; } } if(flag==0) { document.write(i+"
"); } } </script> </head> </html> </pre>
d.	<p>Write a JavaScript program to accept a number from the user and display the sum of its digits.</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> </pre>

	<pre> <title>sum of digits</title> <script> var n=parseInt(prompt("Enter the number"," ")); var p=0,y; while(n>0) { y=n%10; n=parseInt(n/10); p=p+y; } document.write("Sum of digits is: "+p); </script> </head> </html> </pre>
e.	<p>Write a program in JavaScript to accept a sentence from the user and display the number of words in it. (Do not use split () function).</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>Without using split function</title> <script> var str=prompt("Enter the sentence=",""); var count=0; for(i=0;i<str.length;i++) { if(str.charAt(i,1)==" " && str.charAt(i+1,1)!=" ") count++; } document.write("Number of words are="+count); </script> </head> <body> </body> </html> </pre>
f.	<p>Write a java script program to design simple calculator.</p> <p>Code:</p> <pre> <!DOCTYPE html> <html> <head> <title>Calculator</title> <script language="javascript"> function calc() { var n1,n2,opr,x; n1=parseInt(f1.s1.value); </pre>

```

n2=parseInt(f1.s3.value);
opr=f1.s2.value;
if(opr=="add")
    x=n1+n2;
else if(opr=="sub")
    x=n1-n2;
else if(opr=="multi")
    x=n1*n2;
else if(opr=="div")
    x=n1/n2;
else
    alert("please select operator");
document.getElementById("ans").innerHTML="answer is:"+x;
}
</script>
</head>
<body>
<form name="f1">
<table width=50%>
<tr>
<td>Number1<br>
<select name="s1" size=1>
<option>Select</option>
<option value="0">0</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
</select>
</td>
<td>Operator<br>
<select name="s2" size=1>
<option>Select</option>
<option value="add">+</option>
<option value="sub">-</option>
<option value="multi">*</option>
<option value="div">/</option>
</select>
</td>
<td>Number 2<br>
<select name="s3" size=1>
<option>Select</option>
<option value="0">0</option>

```

```

        <option value="1">1</option>
        <option value="2">2</option>
        <option value="3">3</option>
        <option value="4">4</option>
        <option value="5">5</option>
        <option value="6">6</option>
        <option value="7">7</option>
        <option value="8">8</option>
        <option value="9">9</option>
    </select>
</td>
<td>
        <input type="button" value="calculate" onclick="calc()">
</td>
</tr>
</table>
</form>
        <p id="ans"> </p>
</body>
</html>

```

4. Control and looping statements and Java Script references

a. Design a web page demonstrating different conditional statements.

Code:

```

<!DOCTYPE html>
<html>
<head>
        <title>Conditional Statements</title>
        <script language="javascript">
                var age = 20;
                if( age > 18 )
                {
                        document.write("<b>Qualifies for driving</b>");
                }
        </script>
</head>
<body>
</body>
</html>

```

b. Design a web page demonstrating different looping statements.

Code:

```

<!DOCTYPE html>
<html>
<head>
        <title>Looping Statements</title>
        <script language="javascript">
                document.write("For Loop demo:<br>");

```

	<pre> for (i = 0; i < 5; i++) { text1 += "The number is " + i + "
"; document.write(text1+" "); } document.write("
While Loop demo:
"); while (i < 10) { text2 += "The number is " + i; document.write(text2+" "); i++; } document.write("
Do-While Loop demo:
"); do { text3 += "The number is " + i; document.write(text3+" "); i++; }while (i < 10); </script> </head> <body> </body> </html> </pre>
c.	<p>Design a web page demonstrating different Core JavaScript references (Array, Boolean, Date, Function, Math, Number, Object, String, RegExp).</p> <p><u>Array object code:</u></p> <pre> <!DOCTYPE html> <html> <head> <title>Array object Demo</title> <script language="javascript"> var cars=["Saab","Volvo","BMW"]; document.write("Array length is: "+cars.length+"
"); document.write(cars.join["*"]); cars.push("Opel"); document.write("After insert: "+cars.toString()); cars.pop(); document.write("After delete: "+cars.toString()); cars.sort(); document.write("After sort: "+cars.toString()); cars.reverse(); document.write("After reverse: "+cars.toString()); </script> </head> <body> </pre>

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

Boolean object code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Boolean object demo</title>
  <script language="javascript">
    function myFunction()
    {
      document.getElementById("demo").innerHTML = Boolean(10 > 9);
    }
  </script>
</head>
<body>
<p>Display the value of Boolean(10 > 9):</p>
<button onclick="myFunction()">Try it</button>
<p id="demo"></p>
</body>
</html>
```

Date object code:

```
<!DOCTYPE html>
<html>
<head>
  <title> Date object demo </title>
  <script language="javascript">
    var currentDate =new Date();
    document.write("Date is:");

    document.write(currentDate.getMonth()+"/"+currentDate.getDate()+"/"+currentDate.g
etFullYear
()+ "<br>");
    document.write("Time is:");
    document.write(currentDate.getHours()+":"+currentDate.getMinutes
()+":"+currentDate.getSeconds());
  </script>
</head>
<body>
</body>
</html>
```

Function object code:

```
<!DOCTYPE html>
<html>
```

```
<head>
  <title> function object demo</title>
  <script language="javascript">
    addBraces=new Function("s","return[''+s+'"]");
    document.write(addBraces("this"));
    document.write(addBraces("is"));
    document.write(addBraces("a"));
    document.write(addBraces("test"));
  </script>
</head>
<body>
</body>
</html>
```

Math object code:

```
<!DOCTYPE html>
<html>
<head>
  <title>math object</title>
  <script language="javascript">
    document.write("Random number: "+Math.random(3)+"<br>");
    document.write("Minimum number: "+Math.min(150,0,-29,60)+"<br>");
    document.write("Maximum number: "+Math.max(600,120,129,89)+"<br>");
    document.write("Round(47.6): "+Math.round(47.6)+"<br>");
    document.write("Ceil(4.4): "+Math.ceil(4.4)+"<br>");
    document.write("Floor(4.7): "+Math.floor(4.7)+"<br>");
    document.write("Square root of 2: "+Math.SQRT2+"<br>");
    document.write("Square root of 1/2: "+Math.SQRT1_2+"<br>");
    document.write("2 raise to 3: "+Math.pow(2,3)+"<br>");
  </script>
</head>
<body>
</body>
</html>
```

Number object demo:

```
<!DOCTYPE html>
<html>
<head>
  <title>Number object Demo</title>
  <script language="javascript">
    document.write("Maximum value: "+Number.MAX_VALUE;);
    document.write("Minimum value: "+Number.MIN_VALUE;);
    var num1 = 5.56789;
    document.write(num1.toFixed(2));
    var num2 = 13.3714;
    document.write(num2.toPrecision(2));
    document.write(num1.toString());
```

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

Object object code:

```
<!DOCTYPE html>
<html>
<head>
  <title> object demo </title>
  <script language="javascript">
    myobj1=new Object(123);
    document.write(myobj1.toString()+"<br>");
    myobj2=new Object("hello world");
    document.write(myobj2.valueOf());
  </script>
</head>
<body>
</body>
</html>
```

String object demo:

```
<!DOCTYPE html>
<html>
<head>
  <title>String object Demo</title>
  <script language="javascript">
    var txt = "ABCDEFGHJKLMNOPQRSTUVWXYZ";
    document.write(txt.length);
    var x = 'It\'s alright';
    var y = "We are the so-called \"Vikings\" from the north.";
    document.write(x + "<br>" + y);
    var str = "Please locate where 'locate' occurs!";
    var pos = str.indexOf("locate");
    document.write(pos);
    var str = "Please locate where 'locate' occurs!";
    var pos = str.lastIndexOf("locate");
    document.write(pos);
    var str = "Please locate where 'locate' occurs!";
    var pos = str.search("locate");
    document.write(pos);
    var str = "Apple, Banana, Kiwi";
    var res = str.slice(7, 13);
    document.write(res);
    var str = "Apple, Banana, Kiwi";
    var res = str.substring(7, 13);
    document.write(res);
```



```
var str = "Apple, Banana, Kiwi";
var res = str.substr(7, 6);
document.write(res);
var str = "Please visit Microsoft!";
var n = str.replace("Microsoft", "W3Schools");
document.write(n);
var text1 = "Hello World!";
var text2 = text1.toUpperCase();
document.write(text2);
var text1 = "Hello World!";
var text2 = text1.toLowerCase();
document.write(text2);
var text1 = "Hello";
var text2 = "World";
text3 = text1.concat(" ", text2);
document.write(text3);
var str = "HELLO WORLD";
document.write(str.charAt(0));
var str = "HELLO WORLD";
document.write(str.charCodeAt(0));
var txt = "a,b,c,d,e";
var arr=txt.split(" ");
document.write(arr[0]+" "+arr[2]);
```

```
</script>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

RegEx object demo:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>RegExp object Demo</title>
```

```
  <script language="javascript">
```

```
    var str = "Visit W3Schools!";
```

```
    var n = str.search(/w3Schools/i);
```

```
    document.write(n);
```

```
    var str = "Visit Microsoft!";
```

```
    var res = str.replace(/microsoft/i, "W3Schools");
```

```
    document.write(res);
```

```
    text = "The best things in life are free!";
```

```
    document.write(/e/.test(text));
```

```
    text = "The best things in life are free!";
```

```
    document.write(/e/.exec(text));
```

```
  </script>
```

```
</head>
```

```
<body>
```

	<pre> </body> </html> </pre>
5.	Basic PHP I
a.	<p>Write a PHP Program to accept a number from the user and print it factorial.</p> <p><u>Input.html</u></p> <pre> <html> <head> <title>Factorial of a number</title> </head> <body> <form method="post" action="Fact.php"> Enter a number: <input type="text" name="n1">
 <input type="submit" value="Factorial"> </form> </body> </html> </pre> <p><u>Fact.php</u></p> <pre> <?php \$n1=(int)\$_POST['n1']; \$fact=1; for(\$i=1;\$i<=\$n1;\$i++) { \$fact=\$fact*\$i; } echo "Factorial of ".\$n1." is: ".\$fact; ?> </pre>
b.	<p>Write a PHP program to accept a number from the user and print whether it is prime or not.</p> <p><u>Input.html</u></p> <pre> <html> <head> <title>Prime Number</title> </head> <body> <form method="post" action="checkPrime.php"> Enter a number: <input type="text" name="n1">
 <input type="submit" value="CheckPrime"> </form> </body> </html> </pre> <p><u>checkPrime.php</u></p> <pre> <?php \$n1=(int)\$_POST['n1']; \$flag=0; for(\$i=2;\$i<=\$n1/2;\$i++) </pre>

	<pre> { if(\$n1%\$i==0) { \$flag=1; break; } } if(\$flag==0) echo "Number is prime"; else echo "Number is not prime"; ?> </pre>
	<p>6. Basic PHP II</p>
<p>a.</p>	<p>Write a PHP code to find the greater of 2 numbers. Accept the no. from the user.</p> <p><u>Input.html</u></p> <pre> <html> <head> <title>Greater of two no.s</title> </head> <body> <form method="post" action="check.php"> 1st Number: <input type="text" name="n1">
 2nd Number: <input type="text" name="n2">
 <input type="submit" value="Check"> </form> </body> </html> </pre> <p><u>check.php</u></p> <pre> <?php \$n1=(int)\$_POST['n1']; \$n2=(int)\$_POST['n2']; if(\$n1>\$n2) echo \$n1." is greater than ".\$n2; else if(\$n2>\$n1) echo \$n2." is greater than ".\$n1; else echo "Both the no.s are equal"; ?> </pre>
<p>b.</p>	<p>Write a PHP program to display the following Binary Pyramid:</p> <pre> 1 0 1 1 0 1 0 1 0 1 </pre> <p><u>Code:</u></p> <pre> <?php for(\$i=0;\$i<4;\$i++) </pre>

	<pre> { for(\$j=0;\$j<=\$i;\$j++) { if((\$i+\$j)%2==0) echo "1 "; else echo "0 "; } echo "
"; } ?> </pre>
	<p>7. String Functions and arrays</p>
<p>a.</p>	<p>Write a PHP program to demonstrate different string functions.</p> <p>Code:</p> <pre> <?php echo strlen("Hello"); echo strchr("Hello world!","world"); echo str_replace("world","Peter","Hello world!"); echo str_word_count("Hello world!"); echo strpos("I love php, I love php too!","php"); echo substr_count("Hello world. The world is nice","world"); echo substr("Hello world",6); echo strtolower("Hello WORLD."); echo strtoupper("Hello WORLD."); echo strcmp("Hello world!","Hello world!"); echo strcasecmp("Hello world!","Hello world!"); ?> </pre>
<p>b.</p>	<p>Write a PHP program to create one dimensional array.</p> <p>Code:</p> <pre> <?php \$cars = array("Volvo", "BMW", "Toyota"); echo "I like " . \$cars[0] . ", " . \$cars[1] . " and " . \$cars[2] . "."; echo count(\$cars); \$arrlength = count(\$cars); for(\$x = 0; \$x < \$arrlength; \$x++) { echo \$cars[\$x]; echo "
"; } //Associative arrays \$age = array("Peter"=>"35", "Ben"=>"37", "Joe"=>"43"); echo "Peter is " . \$age['Peter'] . " years old."; ?> </pre>

8.	PHP and Database
a.	<p>Write a PHP code to create:</p> <ul style="list-style-type: none"> • Create a database College • Create a table Department (Dname, Dno, Number_Of_faculty) <p>Code:</p> <pre><?php \$con=mysql_connect("localhost","root",""); if(!\$con) die('could not connect:'.mysql_error()); if(mysql_query("create database College",\$con)) echo"Database Created successfully"; else echo "Error creating database:".mysql_error(); mysql_select_db("College",\$con); \$query="create table department(dname varchar(50),dno smallint,no_of_faculty smallint)"; if(mysql_query(\$query,\$con)) echo"Table Created successfully"; else echo "Error creating table:".mysql_error(); mysql_close(\$con); ?></pre>
b.	<p>Write a PHP program to create a database named “College”. Create a table named “Student” with following fields (sno, sname, percentage). Insert 3 records of your choice. Display the names of the students whose percentage is between 35 to 75 in a tabular format.</p> <p>Code:</p> <pre><html> <head> <title>Database insert and select</title> </head> <body> <?php \$con=mysql_connect("localhost","root",""); if(!\$con) die('could not connect:'.mysql_error()); if(mysql_query("create database College",\$con)) echo"Database Created successfully"; else echo "Error creating database:".mysql_error(); mysql_select_db("College",\$con); \$query="create table student(sno smallint,sname varchar(50),percentage decimal(7,2))"; if(mysql_query(\$query,\$con)) echo"Table Created successfully"; else echo "Error creating table:".mysql_error(); \$query1="insert into student values(101,'Allen',78)";</pre>

```

if(mysql_query($query1,$con))
    echo"Record 1 inserted successfully";
else
    echo "Error inserting record 1:".mysql_error();
$query2="insert into student values(102,'Smith',45)";
if(mysql_query($query2,$con))
    echo"Record 2 inserted successfully";
else
    echo "Error inserting record 2:".mysql_error();
$query3="insert into student values(103,'Scott',63.2)";
if(mysql_query($query3,$con))
    echo"Record 3 inserted successfully";
else
    echo "Error inserting record 3:".mysql_error();
$sql="select * from student where percentage>=35 and percentage<=75";
$result=mysql_query($sql,$con);
if(mysql_num_rows($result)>0)
{
    echo "<table
border='1'><tr><th>Sno</th><th>Sname</th><th>Percentage</th></tr>";
    while($row=mysql_fetch_assoc($result))
    {
        echo "<tr>";
        echo "<td>".$row['sno'].</td>";
        echo "<td>".$row['sname'].</td>";
        echo "<td>".$row['percentage'].</td>";
        echo "</tr>";
    }
    echo "</table>";
}
else
{
    echo "Table is empty";
}
mysql_close($con);
?>
</body>
</html>

```

c. Design a PHP page for authenticating a user.

Input.html

```

<html>
<head>
    <title>User authentication</title>
</head>
<body>
    <form method="post" action="validate.php">
        Username: <input type="text" name="t1"><br>

```

	<pre> Password: <input type="password" name="p1">
 <input type="submit" value="Submit">&nbsp; <input type="reset" value="Clear"> </form> </body> </html> validate.php: <?php \$user=\$_POST['t1']; \$pass=\$_POST['p1']; if(\$user=="abc" && \$pass=="1234") echo "Welcome ".\$user; else echo "Invalid username and password"; ?> </pre>
9.	Email
a.	<p>Write a program to send email with attachment.</p> <p>Code:</p> <pre> <?php \$to="someone@example.com"; \$subject="test mail"; \$message="Hello! This is simple email"; \$from="someoneElse@example.com" \$header="From:\$from"; mail(\$to,\$subject,\$message,\$header); echo "Email sent"; ?> </pre>
10	Sessions and Cookies
a.	<p>Write a program to demonstrate use of sessions and cookies.</p> <p>Session code:</p> <pre> <?php session_start(); if(isset(\$_SESSION['views'])) \$_SESSION[' views '] += 1; else \$_SESSION[' views '] = 1; \$msg = "You have visited this page ". \$_SESSION[' views ']; \$msg .= "in this session"; ?> </pre> <p>Cookie code (Setting and Retrieving):</p> <pre> <?php \$cookie_name = "user"; </pre>

```
$cookie_value = "John Doe";
setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/"); // 86400 = 1 day
?>

<html>
<body>
<?php
    if(!isset($_COOKIE[$cookie_name]))
    {
        echo "Cookie named '" . $cookie_name . "' is not set!";
    }
    else
    {
        echo "Cookie '" . $cookie_name . "' is set!<br>";
        echo "Value is: " . $_COOKIE[$cookie_name];
    }
?>
</body>
</html>
```