Pgm 1 - <!--Write a HTML code to demonstrate various formatting tags, ordered and unordered list, and table using frames suitably.-->

frameset.html

```
<!DOCTYPE html>
<html>
<frameset rows="25%,*,25%">
 <frame src="intro.html">
 <frameset cols="50%,50%">
        <frame src="ordered.html">
        <frame src="unordered.html">
 </frameset>
 <frame src="tables.html">
</frameset>
</html>
```

intro.html

```
<html>
<body>
<center>
                <font face="Footlight MT Light" color="blue">
                        <h5>Karnatak Law Society</h5>
                        <h3>Gogte College Of Commerce</h3>
                   <h4>Bachelor Of Computer Applications</h4>
                         <h6><u>Tilakwadi Belgaum 590009</u></h6>
                </font>
</center>
</body>
</html>
```

ordered.html

```
<html>
        <h3>List of Courses offered by GCC</h3>
        <ol type = "I">
                <li>BCA</li>
                <li>BCom</li>
                <li>BBA</li>
                <li>MCom</li>
        </ol>

</html>
```

unordered.html

```
<html>
        <h3>List of subjects for BCA</h3>
        <ul>
                <li>Web</li>
                <li>Python</li>
                <li>Data Structures</li>
        </ul>
</html>
```

Pgm2 -<!--Write HTML/Java scripts to display your CV in navigator, your Institute website, Department Website and Tutorial website for specific subject.-->

```
<html>
<head>
        <title>RESUME | JOHN DOE</title>
</head>
<body>
<!-- BEGIN DIV FOR OVERALL BOX -->
<div>
<!-- THIS DIV CENTERS OUR HEADING -->
<h1>John Doe</h1>
<h2>4242 Ghila Road</h2>
<h2>Tucson, AZ 85701</h2>
<br />
<!-- END CENTERING DIV -->
</div>
<h2>Profile</h2>
<p>
Desires a resident position in the Bastyr University Acupuncture and Oriental
Medicine Residency Program. Able to be effective in a practice of any size.
Draw on experience with a range of patient issues, including additional work
in women and children's care. Interested in health education for homeless.
Strong desire to contribute to the success of a program through an ability to
initiate and maintain relationships. Creative developer and presenter of
educational information.
</p>
<br />
<h2>Education</h2>
<h3>Masters of Acupuncture and Oriental Medicine,
<br />
Graduating June 2003</h3>
<p>
Bastyr University, Kenmore, WA 1999
</p>
<ul>
<li>
Completing an accredited program of coursework and supervised
practice
in Acupuncture and Oriental Medicine. Extensive exposure to issues
involving
women and children.
</li>
</ul>
<h3>Research Project</h3>
<ul>
<li>
Assisted the primary investigator in a double blind, randomized
```

controlled
trail conducted at the Bastyr Center for Natural Health that evaluated the
effectiveness of Chinese herbs towards the control of Diabetes Mellitus in
post-menopausal women. Co-authored the research report that has been
submitted for publication to the Journal of Traditional Chinese Medicine.

<h3>Bachelor of Science, Zoology</h3>

Miami University, Oxford, OH 1991 - 1995

Participated in a community service project to increase citizen participation
in a clean up campaign.

Served as project leader in a fund raising project sponsored by the University
Student Council towards helping homeless youthsâ€™ return back to school.

<h2>Related Experience</h2>
<h3>Bastyr University, Kenmore, WA 1999-present</h3>

Teaching Assistant

Assists professor in the Anatomy & Physiology class.

Answers questions and demonstrate as needed.

<h3>Kenmore Youth Ministry, Kenmore, WA 2000-2001</h3>

Camp Group Leader


```
<li>
Participated in community youth group activities.
</li>
<li>
Developed activity programs now utilized by the youth ministry in
helping
children improve reading skills.
</li>
</ul>
<h3>Franciscan Care Center Nursing Home,
<br />
Seattle, WA 1999 - 2000 </h3>
<p>
Volunteer Recreation Worker
</p>
<ul>
<li>
Provided social support to patients by reading to them, writing letters,
and visiting with them.
</li>
<li>
Formed friendships which enriched lives of patients
</li>
</ul>
<!-- THIS DIV CENTERS OUR LINKS -->
<div>
<p>
<a href="index.html">RESUME HOME</a> | <a href="#">SIMPLE
RESUME</a> | <a href="resume.html">COMPLEX RESUME</a> | <a
href="code.html" target="_blank">SEE HTML</a> | <a href="resume.css"
target="_blank">SEE CSS</a>
</p>
</div>
<!-- END CENTERING LINKS -->
<!-- END DIV FOR OVERALL BOX -->
</div>
</body>
</html>
```

Pgm3 -<!-- Develop and demonstrate a XHTML document that illustrates the use external style sheet,ordered list, table, borders, padding, color, and the <span> tag. -->

term3.html

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
 "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
```

```
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<link rel="stylesheet" type="text/css"
href="term3_style.css" />
<title> Lab program 3 </title>
</head>
<body>
 <h1>This header is 36 pt</h1>
 <h2>This header is blue</h2>
 <p>This paragraph has a left margin of 50 pixels</p>
<table border="10" width="60%"> <!-- table with name & email -->
 <tr>
        <th width="50">Name </th>
        <th>Email</th>
 </tr>
 <tr>
        <td width="204">GCC Admin</td>
        <td>admin@gccbgm.org</td>
 </tr>
 <tr>
        <td width="204"> Gcc Principal</td>
        <td>principal@rediffmail.com</td>
 </tr>
 <tr>
        <td width="204">BCA Coordinator</td>
        <td>jalihal@gmail.com</td>
 </tr>
 <tr>
        <td width="204">BCA Mail</td>
        <td>bca@gccbgm.org</td>
 </tr>
</table>
<hr> <!-- horizontal line -->
<ol> <!-- ordered list -->
 <li> Java</li>
 <li> HTML </li>
 <li> Python </li>
</ol>
<p>
<span>This is a text.</span> This is a text. This is a text.
 This is a text. This is a text. This is a text.
 This is a text.
This is a text. This is a text.
<span>This is a text.</span>
</p>
</body>
</html>
```

term3_style.css

```
p,table,li,
{
font-family: "lucida calligraphy", arial, 'sans serif';
margin-left: 10pt;
}
p { word-spacing:5px; }
body { background-color:rgb(200,255,205); }
p,li,td { font-size:75%;}
td { padding:0.5cm; }
th {
 text-align:center;
 font-size:85%;
 }
h1, h2, h3, hr {color:#483d8b;}
table
{
border-style:outset;
background-color:rgb(100,255,105);
}
li {list-style-type: lower-roman;
font-size:175%;
}
span
{
color:blue;
background-color:pink;
font-size:29pt;
font-style:italic;
font-weight:bold;
}
```

Pgm4 - <!--Create a HTML form containing Textboxes to enter name of student, roll number, course, and grade obtained. When the form runs in the Browser fill the textboxes with data. Write JavaScript code that verifies that all textboxes has been filled. If a textboxes has been left empty, popup an alert indicating which textbox has been left empty-->

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <meta http-equiv="X-UA-Compatible" content="ie=edge">
   <title>Document</title>
</head>
<body>
   <div style="width: 20%">
```

```
      <fieldset>
        <legend>STUDENT FORM</legend>
        <!-- When u add return statement in on submit, then form waits for the truth value
from the validation
        If false returned then it doesn't  submits and submits when returned true -->
        <form action="" method="GET" onsubmit="return validateForm()">
          <label>Student Name</label><br>
          <input type="text" name="name" id="name" placeholder="Student
Name"><br><br>

          <label>Roll Number</label><br>
          <input type="text" name="roll_no" id="roll_no" placeholder="Roll
Number"><br><br>

          <label>Course</label><br>
          <input type="text" name="course" id="course" placeholder="Course"><br><br>

                        <label>Grade</label><br>
          <input type="text" name="grade" id="grade" placeholder="Grade"><br><br>

          <button type="submit">SUBMIT</button>
        </form>
      </fieldset>
    </div>
    <script>
      function validateForm()
      {
        // trim is used to remove all white spaces
        // if trim not used then if user just enters spaces then it also get submitted
        // to avoid that trim is necessary
        var st_name = document.getElementById("name").value.trim();
        var st_roll_no = document.getElementById("roll_no").value.trim();
        var st_course = document.getElementById("course").value.trim();
        var st_grade = document.getElementById("grade").value.trim();

        if(st_name.length == 0){
          alert("Please enter student name !");
          return false;
        }

        if(st_roll_no.length == 0){
          alert("Please enter student roll number !");
          return false;
        }

        if(st_course.length == 0){
          alert("Please enter student course !");
```

```
            return false;
        }
        if(st_grade.length == 0){
            alert("Please enter student grade !");
            return false;
        }
    }
  </script>
</body>
</html>
```

Pgm5 - <!--HTML file to accept a number and find its Fibonacci series-->

```
<html>
 <head><title>Fibonacci Series</title></head>
 <body style= "background-color:orange">
 <h1> Program to generate first n fibonacii series</h1>
        <script type="text/javascript">

        var var1 = 0;
        var var2 = 1;
        var var3;
  var num = prompt("Enter the limit to generate fibonacci no");
  var msg1="invalid input";
  var msg2="u have entered a string please enter the integer value";
        if (num <= 0  )
        {
                alert(msg1);
        }
    else if(isNaN(num))
        {
                alert(msg2);
        }
        else if (num == 1)
        {
                document.write("the fibonacii series is"," "," ",0);
        }
        else
        {
    document.write("the fibonacii series is","<br />");
                document.write(var1+"<br />");
                document.write(var2+"<br />");

                for(var i=3; i <= num;i++)
                {
                        var3 = var1 + var2;
                        document.write(var3 +"<br />");
                        var1 = var2;
```

```
                        var2 = var3;
                }
        }

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

Pgm6 - <!--Write a JavaScript code to compute the sum of n natural numbers-->

```
<html>
<head>
        <title>Sum of n natural numbers</title>
</head>
<body>
<h2> Program to display sum of n natural numbers
using javascript</h2>
<script type = "text/javascript">
   var num = prompt("Enter the number:");
   var res = sum_of_natural(num);
         alert("The sum of n natural number is:" + res);
   function sum_of_natural(num)
   {
      var i;
      var sum = 0;
      for(i = 1;i <= num; i++){
         sum = sum + i;}
      return (sum);
   }
         document.write("The sum of n natural number is:" + res);

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

Pgm7- <!--Create a HTML form containing textbox to enter text. Write a JavaScript code block, which checks the contents entered in a form's Text element. If the text entered is in the lower case, convert to upper case. Make use of function to Uppercase ( ).-->

```
<html>
<head>
<title>validation</title>
<script>
function strcon()
{
        var check ;
        check = document.myform.name_box.value;
```

```
        for(i=0;i<check.length;i++)
        {
                if(check.charCodeAt(i) >= 97 &&
                check.charCodeAt(i) <= 122)
                {
                        document.write("Converted String ="+check.toUpperCase(i));
                        break;
                }
                else
                        document.write("Entered string is in upper case");
                        break;
        }
}

</script>
</head>
<body>
        <form name="myform">
                <input type="text" name="name_box"><br>
                <input type="button" value="ok" onclick="strcon()">
        </form>
</body>
</html>
```

Pgm8 – Design an XML document to store information about an Employee viz. Name, EmpId, Job, Department and position. Make up sample data for 3 employees. Create a CSS style sheet and use it to display the document

pgm8.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="wr.css"?>
<employee>
<head>
     <h>Employee Details</h>
</head>
<topblock>

        <n>Name</n>
        <e>EmpId</e>
        <j>Job</j>
        <d>Department</d>
        <p>position</p>

</topblock>
  <empl>
        <ename>xyz</ename>
        <eid>001</eid>
```

```
        <ejob>mno</ejob>
                <edept>yyy</edept>
                <epos>ccc</epos>

  </empl>
  <empl>
        <ename>xyz</ename>
        <eid>001</eid>
        <ejob>mno</ejob>
                <edept>yyy</edept>
                <epos>ccc</epos>
  </empl>
  <empl>
        <ename>xyz</ename>
        <eid>001</eid>
        <ejob>mno</ejob>
                <edept>yyy</edept>
                <epos>ccc</epos>
  </empl>
</employee>
```

wr.css

```
head,topblock,empl
{
        display:block;
        width: 530px;
        padding: 2px;
        background-color: #000;
}
h
{
display:inline-block;
width: 530px;
text-align:center;
font-size:20pt;
background-color: #ccc;
}
n,j,d,p,e
{
        display:inline-block;
        width: 100px;
        padding: 2px;
        text-align: center;
        background-color: #ccc;
}

ename,eid,ejob,edept,epos
```

```
{
	display:inline-block;
	width: 100px;
	 padding: 2px;
	text-align: center;
	background-color: #ccc;
}
```

Pgm9- Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.

submit1.html

```
<html>
<body>
<center>
<table width="50%" border="2">
	<tr><form action="insert.php" method="POST">
		<tr><th> ENTER STUDENT INFORMATION </th></tr>
		<td align="center"><br/>
		Name: <input type="text" name="name"><br/><br/>
		add1: <input type="text" name="add1"><br /><br/>
		add2: <input type="text" name="add2"><br /><br/>
		email: <input type="text" name="email"><br /><br/>
		<input type="submit" value="submit" name="submit"><br/><br/></td>
	</form></tr>

	<tr><form action="search.php" method="POST">
	<tr><th> ENTER NAME TO BE SEARCHED</th></tr><br/>
	<td align="center"><br/>
	Name: <input type="text" name="sname"><br/><br/>
	<input type="submit" value="search"><br/><br/></td>
	</form></tr>
</body>
</html>
```

insert.php

```
<?php
$link=mysqli_connect("localhost","root","","pgm9_db");
if(!$link)
	die(mysqli_connect_error());

if(isset($_POST['submit']))
{
	$stud_name = $_POST['name'];
	$stud_add1 = $_POST['add1'];
	$stud_add2 = $_POST['add2'];
```

```
        $stud_email = $_POST['email'];

        $query = "insert into student_table(name, add1, add2, email)
        values ('$stud_name', '$stud_add1', '$stud_add2', '$stud_email')";

        mysqli_query($link,$query);
        echo '<script>';
        echo'alert("Added successfully ");';
        echo 'window.location="http://localhost/Program%209/submit1.html";';
        echo '</script>';

}
?>
```

search.php

```
<?php
$link = mysqli_connect("localhost","root","","pgm9_db");

$name = $_POST['sname'];
$res = mysqli_query($link,"select * from student_table where name='$name'");
if(mysqli_num_rows($res)==0)
{
        echo "$name doesn't exist";
}
else
{
        echo "<table border='1' align=center width=60%>";
        echo "<tr><td width=15% align=center>NAME</td>
                <td width=15% align=center>ADDRESS1</td>
                <td width=15% align=center>ADDRESS2</td>
                <td width=15% align=center>EMAIL ID</td></tr>";
        while($arr=mysqli_fetch_row($res))
        {
                echo
                        "<tr><td>$arr[0]</td>
                                <td>$arr[1]</td>
                                <td>$arr[2]</td>
                                <td>$arr[3]</td></tr>";
        }
                echo "</table>";
}
?>
```

Pgm10- Write a small password checking script. This will record the username, old password and new password. The rules are that a password is OK if it is >7 characters long, contains some uppercase characters and is different to the old password. The admin

user (username ‘admin’) can do whatever they like. Print out whether the new password is OK.

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

 function checkForm(form)
 {
  if(form.username.value == "") {
    alert("Error: Username cannot be blank!");
    form.username.focus();
    return false;
  }
  re = /^\w+$/;
  if(!re.test(form.username.value)) {
    alert("Error: Username must contain only letters, numbers and underscores!");
    form.username.focus();
    return false;
  }


        if(form.pwdold.value!="abc") {
    alert("Error:Old password is wrong");
    form.username.focus();
    return false;
  }

        if(form.pwd1.value != "" && form.pwd1.value == form.pwd2.value) {
  if(form.pwd1.value.length < 6) {
    alert("Error: Password must contain at least six characters!");
    form.pwd1.focus();
    return false;
  }
  if(form.pwd1.value == form.username.value) {
    alert("Error: Password must be different from Username!");
    form.pwd1.focus();
    return false;
  }
  re = /[0-9]/;
  if(!re.test(form.pwd1.value)) {
    alert("Error: password must contain at least one number (0-9)!");
    form.pwd1.focus();
    return false;
  }
  re = /[a-z]/;
  if(!re.test(form.pwd1.value)) {
    alert("Error: password must contain at least one lowercase letter (a-z)!");
```

```
      form.pwd1.focus();
      return false;
    }
    re = /[A-Z]/;
    if(!re.test(form.pwd1.value)) {
      alert("Error: password must contain at least one uppercase letter (A-Z)!");
      form.pwd1.focus();
      return false;
    }
  } else {
    alert("Error: Please check that you've entered and confirmed your password!");
    form.pwd1.focus();
    return false;
  }

  alert("You entered a valid password: ");
  return true;
 }

</script>
</head>
<body>
<form onsubmit="return checkForm(this)">
<p>Username: <input type="text" name="username"></p>
<p>Old Password: <input type="password" name="pwdold"></p>
<p>New Password: <input type="password" name="pwd1"></p>
<p>Confirm New Password: <input type="password" name="pwd2"></p>
<p><input type="submit" value="submit"></p>
</form>
</body>
</html>
```

Pgm11 -Write a PHP program to store current date-time in a COOKIE and display the "Last visited on" date-time on the web page upon reopening of the same page.

```
<?php
  #calculate 60 days in the future: seconds * minutes * hours * days + current time
  $itm=60*60*24*60+time(); // life span of cookie
  #create cookie
  /*date("G:i -m/d/y") - Gives the timestamp where,
  * G represents 24-hour format of hour without leading zeros
  * i represents Minutes with leading zeros
  * m represents Numeric representation of a month, with leading zeros
  * d represents Day of the month, 2 digits with leading zeros
  * y represents A two digit representation of a year
*/
  setcookie('last_visit',date("G:i -m/d/y"),$itm);
```

```
   #check if cookie exists
   if(isset($_COOKIE['last_visit'])) {
      $visit=$_COOKIE['last_visit'];
      echo "Your last visit was- " .$visit;
   }
   else {
      #no cookies
      echo "You have some stale cookies!" ;
   }
 ?>
```

Pgm12- Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

```
<?php
session_start();
if(isset($_SESSION['views']))
        $_SESSION['views'] = $_SESSION['views']+1;
else
        $_SESSION['views']=1;
echo"views = ".$_SESSION['views'];
?>
```

Pgm13- Using PHP and MySQL, develop a program to accept book information viz. Accession umber, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

book.html

```
<html>
<body>
<center>
<table width="50%" border="2"><tr>
        <form action="insert.php" method="POST">
                <tr><th> ENTER BOOK INFORMATION </th></tr><br/>
                <td align="center"><br/>
                        Accession Number: <input type="text" name="acc"><br/><br/>
                        Title: <input type="text" name="title"><br/><br/>
                        Author: <input type="text" name="author"><br /><br/>
                        Edition: <input type="text" name="edition"><br /><br/>
                        Publisher: <input type="text" name="publisher"><br /><br/>
                        <input type="submit" value="submit"
name="submit"><br/><br/></td>
        </form></tr>

        <tr>
                <th align="center">
                        ENTER TITLE TO BE SEARCHED <br>
```

```
                        <form action="search.php" method="POST">
                                Name: <input type="text" name="title">
                                <input type="submit" value="search">
                        </form>
                </th>
        </tr>
</body>
</html>
```

insert.php

```
<?php
$link = mysqli_connect("localhost","root","","pgm13_db");
if(!$link)
        die(mysqli_connect_error());


if(isset($_POST['submit'])){
        $acc = $_POST['acc'];
        $title = $_POST['title'];
        $author = $_POST['author'];
        $edition = $_POST['edition'];
        $publisher = $_POST['publisher'];

        $query = "INSERT INTO `book_table`(`acc_no`, `acc_title`, `acc_author`,
`acc_edition`, `acc_publisher`)
                        VALUES ('$acc', '$title', '$author', '$edition','$publisher')";
        mysqli_query($link, $query);
        if(mysqli_affected_rows($link) > 0){
                echo '<script>';
                echo'alert("Added successfully ");';
                echo 'window.location="http://localhost/Program%2013/book.html";';
                echo '</script>';
        }else{
                echo mysqli_error($link);
        }
}

?>
```

search.php

```
<?php
$link=mysqli_connect("localhost","root","","pgm13_db");

$key = $_POST['title'];
$query = "SELECT * FROM `book_table` WHERE `acc_title`='$key'";
$res = mysqli_query($link, $query) or die("Error: ".mysqli_error($link));
if(mysqli_num_rows($res)== 0)
{
```

```
        echo "$key doesn't exist";
}
else
{
        echo "<table border='1' align=center width=60%>";
        echo "<tr><td width=15% align=center>Accession no</td>
                        <td width=15% align=center>Title</td>
                        <td width=15% align=center>Author</td>
                        <td width=15% align=center>Edition</td>
                        <td width=15% align=center>publisher</td></tr>";

        while($arr = mysqli_fetch_row($res)){
                echo"<tr><td>$arr[0]</td>
                                <td>$arr[1]</td>
                                <td>$arr[2]</td>
                                <td>$arr[3]</td>
                                <td>$arr[4]</td></tr>";
                        }
        echo "</table>";
}
?>
```