18CSL52 - WEB PROGRAMMING LABORATORY

SET 1

1)Create an html page named as “cse.html" Add the following tags details
(i) Set the title of the page as "Basic Html Tags”
(ii)Within the body perform the following
a) Moving text - “Basic HTML Tags”
b)Different heading tags (hl to h6)
c) Paragraph
d) Horizontal line
e)Line Break
f)div tag

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Basic html tags</title>
</head>
<body>
  <div> <marquee direction="right" style="font-size:70px">Hello this text can move</marquee>
   <p><h1>This is h tag</h1>
   <h2>This is h tag</h2>
   <h3>This is h tag</h3>
   <h4>This is h tag</h4>
   <h5>This is h tag</h5>
   <h6>This is h tag</h6></p><hr>
   <p>any of a kingdom (Animalia) of living<br> things including many-celled organisms and often many of the single-celled ones (such as protozoans) that typically differ from plants in having cells without cellulose walls, in lacking chlorophyll and the capacity for photosynthesis, in requiring more complex food materials</p>
</div>
</body>
</html>
```

2) Create a static web page for Cafeteria Menu using order, unordered and nested List tag

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Exercise2</title>
   <style>
```

```
      body{
         font-family: Arial, Helvetica, sans-serif;
      }
   </style>
</head>
<body>
   <u><h1>CAFETERIA MENU</h1></u>
   <ol><li><h2>Breakfast</h2></li>
      <ul><li><h3>Soup</h3></li>
         <ul><li>Tomato Soup-Rs.60</li></ul>
         <ul><li>Sweet corn Soup-Rs.80</li></ul>
         <ul><li>Veg Clear Soup-Rs.50</li></ul>
         <ul><li>Chicken clear Soup-Rs.80</li></ul></ul>
         <ul><li><h3>Dosa</h3></li>
            <ul><li>Plain Dosa-Rs.20</li></ul>
            <ul><li>Masal Dosa-Rs.80</li></ul>
            <ul><li>Onion Roast-Rs.50</li></ul>
            <ul><li>Chicken dosa-Rs.80</li></ul></ul>
      <hr>
       <li><h2>Lunch</h2></li>
         <ul><li><h3>Meals</h3></li>
            <ul><li>Veg meals-Rs.120</li></ul>
            <ul><li>Non-veg meals-Rs.200</li></ul>
            </ul>
            <ul><li><h3>Fried Rice</h3></li>
               <ul><li>Chicken Fried rice-Rs.120</li></ul>
               <ul><li>Veg Fried rice-Rs.80</li></ul>
               <ul><li>Egg Fried rice-Rs.100</li></ul>
               <ul><li>Mixed Fried rice-Rs.180</li></ul></ul>
         </ol>
   </body>
</html>
```

3) Create an html page named as "image html" to display image, when the image is clicked,description about the image should be dislayed

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Document</title>
</head>
<body>
   <h1>To display description when an image is clicked</h1>
   <img src="wc.jpg" height="400px" width="400px" onclick="img()">
   <p id="demo"></p>
   <script>
      function img(){
         document.getElementById("demo").innerHTML="The film has some pretty sad and emotional scenes, there are also some pretty funny moments, especially when the kids are growing up. The film definitely has
```

scenes that warm up the viewer's heart. Having said that, the right balance, made the story more realistic and relatable";
}
</script>
</body>
</html>

---

4) Create a Registration Form for Symposium event prescribing participant details below:

Name, College Name, Year, Department, Technical / Non-Technical event, Accommodation and fee details using TextBox, RadioButton, CheckBox and Dropdown menu

5) Create an html page named as "Time Table.html" to display your clam time table

a) Provide the title as Time Table.

b) Provide various color options to different subjects (Highlight the lab bours and elective hours with different colors.

c) Include spanning of rows and columns

d) Include cell spacing and padding.

```
<html>
<head>
  <title>time table</title>
</head>
<body bgcolor="skyblue">
<H1><FONT COLOR="DARKCYAN"><CENTER>COLLEGE TIME TABLE</FONT></H1>
<table border="2" cellspacing="3" align="center">
<tr>
 <td align="center">
 <td>8:30-9:30
 <td>9:30-10:30
 <td>10:3-11:30
 <td>11:30-12:30
 <td>12:30-2:00
 <td>2:00-3:00
 <td>3:00-4:00
 <td>4:00-5:00
</tr>
<tr>
 <td align="center">MONDAY
 <td align="center">---<td align="center"><font color="blue">SUB1<br>
 <td align="center"><font color="pink">SUB2<br>
 <td align="center"><font color="red">SUB3<br>
 <td rowspan="6"align="center">L<br>U<br>N<br>C<br>H
 <td align="center"><font color="maroon">SUB4<br>
 <td align="center"><font color="brown">SUB5<br>
 <td align="center">counselling class
</tr>
<tr>
 <td align="center">TUESDAY
```

```
 <td align="center"><font color="blue">SUB1<br>
 <td align="center"><font color="red">SUB2<br>
 <td align="center"><font color="pink">SUB3<br>
 <td align="center">---
 <td align="center"><font color="orange">SUB4<BR>
 <td align="center"><font color="maroon">SUB5<br>
 <td align="center">library
</tr>
<tr>
 <td align="center">WEDNESDAY
 <td align="center"><font color="pink">SUB1<br>
 <td align="center"><font color="orange">SUB2<BR>
 <td align="center"><font color="brown">SWA<br>
 <td align="center">---
 <td colspan="3" align="center"><font color="green"> lab
</tr>
<tr>
 <td align="center">THURSDAY
 <td align="center">SUB1<br>
 <td align="center"><font color="brown">SUB2<br>
 <td align="center"><font color="orange">SUB3<BR>
 <td align="center">---
 <td align="center"><font color="blue">SUB4<br>
 <td align="center"><font color="red">SUB5<br>
 <td align="center">library
</tr>
<tr>
 <td align="center">FRIDAY
 <td align="center"><font color="orange">SUB1<BR>
 <td align="center"><font color="maroon">SUB2<br>
 <td align="center"><font color="blue">SUB3<br>
 <td align="center">---
 <td align="center"><font color="pink">SUB4<br>
 <td align="center"><font color="brown">SUB5<br>
 <td align="center">library
</tr>
<tr>
 <td align="center">SATURDAY
 <td align="center"><font color="red">SUB1<br>
 <td colspan="3" align="center">seminar
 <td align="center"><font color="pink">SUB4<br>
 <td align="center"><font color="brown">SUB5<br>
 <td align="center">library
</tr>
</body>
</html>
```

6)Write an Angular JS framework that allows users to design a order form with a total price updated in real time.
PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Document</title>
   <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
</head>
<body ng-app=""><center>
   <table border="2">
      <tr>
         <th>SNO</th>
      <th>NAME</th>
      <th>QUANTITY</th>
      <th>PRICE PER ITEM</th>
      <th>TOTAL PRICE</th>
      <th>ADD ITEM</th>
      <th>REMOVE ITEM</th></tr>
      <tr>
         <td>1</td>
         <td>Shawarma</td>
         <td><p>{{q1}}</p></td>
         <td><input type="number" ng-model="p1"></td>
         <td>{{t1=q1*p1}}</td>
         <td><button ng-click="q1=q1+1" ng-init="q1=0" type="button">ADD</button></button></td>
         <td><button ng-click="q1=q1-1" type="button">REMOVE</button></td>
      </tr>
      <tr>
         <td>2</td>
         <td>Biryani</td>
         <td><p>{{q2}}</p></td>
         <td><input type="number" ng-model="p2"></td>
         <td>{{t2=q2*p2}}</td>
         <td><button ng-click="q2=q2+1" ng-init="q2=0">ADD</button></button></td>
         <td><button ng-click="q2=q2-1" type="button">REMOVE</button></td>
      </tr>
   </table>
   <p>TOTAL COST:{{t1+t2}}</p></center>
</body>
</html>
```

---

7)Write an Angular JS framework that allows users to switching between different layout modes (grid or list) with a click of a button.

PROGRAM:

HTML FILE

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title></title>
<style type="text/css">
```

```
.bar
{
   background-color: #5c9bb7;
   background-image: -webkit-linear-gradient(top, #5c9bb7, #5392ad);
   background-image: -moz-linear-gradient(top, #5c9bb7, #5392ad);
   background-image: linear-gradient(top, #5c9bb7, #5392ad);
   box-shadow: 0 1px 1px #ccc;
   border-radius: 2px;
   width: 580px;
   padding: 10px;
   margin: 45px auto 25px;
   position: relative;
   text-align: right;
   line-height: 1;
}
.bar a
{
   background: #4987a1 center center no-repeat;
   width: 32px;
   height: 32px;
   display: inline-block;
   text-decoration: none !important;
   margin-right: 5px;
   border-radius: 2px;
   cursor: pointer;
}
.bar a.active
{
   background-color: #c14694;
}

/*------List layout------*/
ul.list
{
   list-style: none;
   width: 500px;
   margin: 0 auto;
   text-align: left;
}
ul.list li
{

   padding: 10px;
   overflow: hidden;
}
ul.list li img
{
   float: left;
   border: none;
}
ul.list li p
{
```

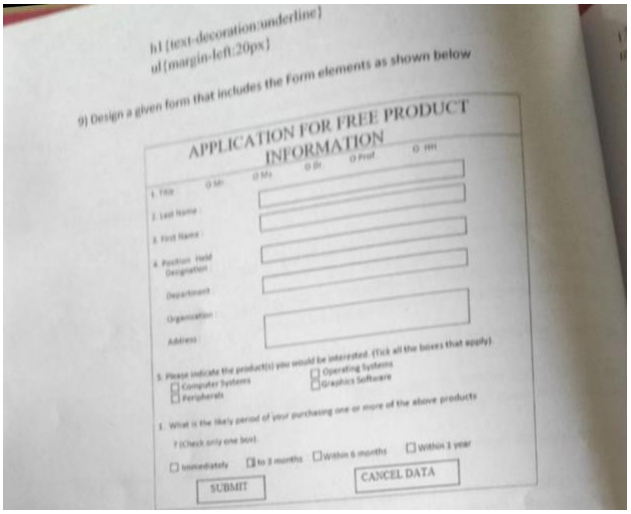
```
            margin-left: 135px;
            font-weight: bold;
            color: black;
        }
        /*------Grid layout------*/
        ul.grid
        {
            list-style: none;
            width: 570px;
            margin: 0 auto;
            text-align: left;
        }
        ul.grid li
        {
            padding: 10px;
            float: left;
            color: black;
            font-weight: bold;
        }
</style>
<script                                                                                    type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.7.8/angular.min.js"></script>
<script type="text/javascript">
        var app = angular.module("MyApp", []);
        app.controller("MyController", function ($scope) {
            $scope.layout = 'grid';
            $scope.Data = [
                { Name: "Desert" },
                { Name: "Hydrangeas" },
                { Name: "Jellyfish" },
                { Name: "Koala" },
                { Name: "Lighthouse" },
                { Name: "Penguins" },
                { Name: "Tulips"}];
        });
</script>
</head>
<body>
<div ng-app="MyApp" ng-controller="MyController">
<div class="bar">
<a class="list-icon" ng-class="{active: layout == 'list'}" ng-click="layout = 'list'">
</a><a class="grid-icon" ng-class="{active: layout == 'grid'}" ng-click="layout = 'grid'">
</a>
</div>
<ul ng-show="layout == 'grid'" class="grid">
<li ng-repeat="data in Data"><p>{{data.Name}}</p></li>
</ul>
<ul ng-show="layout == 'list'" class="list">
<li ng-repeat="data in Data">

<p>{{data.Name}}</p>
</li>
```

```
</ul>
</div>
</body>
</html>
```

8) Create an external stylesheet using different subset of the style rules with the following specification body {font-family:arial, Helvetica, Times new roman}
li{font-weight:bold}
h1{text-decoration : underline}
ul{margin-left : 20px}

9)




```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Document</title>
</head>
<body><center></center><table><tr>
   <h1>APPLICATION FOR FREE PRODUCT INFORMATION</h1><hr>
   1.Title:<input type="radio">Mr.
   <input type="radio">Ms.
   <input type="radio">Dr.
   <input type="radio">Prof.
   <input type="radio">HH.<br><br>
   2.Last Name:<input type="text" style="height:20px;width:160px"><br><br>
   3.First Name:<input type="text" style="height:20px;width:160px"><br><br>
   4.Position Held Designation:<input type="text" style="height:20px;width:160px"><br><br>
   Department:<input type="text" style="height:20px;width:160px"><br><br>
```

```
Organization:<input type="text" style="height:20px;width:160px"><br><br>
Address:<textarea rows="4" cols="50"></textarea><br><br>
5.Please indicate the product(s) you would be interested.(Tick all the boxes that apply).<br><br>
<input type="checkbox">Computer Systems<input type="checkbox">Operating Systems<br><br>

<input type="checkbox">Peripherals<input type="checkbox">Graphics Software<br><br>
6.What is the likely period of your purchasing one or more of the above products? (Check only one box).<br><br>
<input type="checkbox">Immediately
<input type="checkbox">1 to 3 months
<input type="checkbox">Within 6 months
<input type="checkbox">Within 1 year <br><br>
<input type="submit" placeholder="SUBMIT"> 
<input type="reset" placeholder="CLEAR">

</tr></table></center></body>
</html>
```

10)Create a web page with the following for Amazon website.
i) Cascading style sheets
ii) Embedded style sheets.
iii) Inline style sheets

11)Design a form using Ajax that contains a text field and a pushbutton. The user should enter a customer ID and press the button, and should see (in the same page) either.

- A bulleted list of the id, first name, last name, and balance of the person with th ID
- An error message for an unknown/missing id

12) Design a web page using CSS that includes
- Different font, styles.
- Set background image for the web pages. .
- Define styles for links as link, visited, active, hover.

13)Create an XML document, which contains 10 users information…….takes user Id asinput and returns the user details from the xml document

```
<?xml version="1.0" encoding="UTF-8"?>
<userlist>
   <user>
      <userid>usr01</userid>
      <username>Gouse</username>
      <address>DSNR</address>
```

```
        <phone>8801550101</phone>
        <email>Gouse.sheikh@gmail.com</email>
    </user>
    <user>
        <userid>usr02</userid>
        <username>D Divakar</username>
        <address>Ameerpet</address>
        <phone>9888888888</phone>
        <email>D Divakar@gmail.com</email>
    </user>
    <user>
        <userid>usr03</userid>
        <username>Rajinth</username>
        <address>SR Nagar</address>
        <phone>9866666666</phone>
        <email>Rajinth@yahoo.com</email>
    </user>
</userlist>
```

Index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/styles.css">
    <title>Document</title>
</head>

<body>
    <div class="container">
        <h2>User Details</h2>
        <input type="text" id="uname" placeholder="Enter User Id"><br><br>
        <button id="btn" onclick="okie()">Submit</button>
    </div>
    <br>
    <div>
        <h3 id="result"></h3>
    </div>

</body>
```

```
<script src="/script.js"></script>

</html>
```

Script.js

```
function okie() {
   let id = document.getElementById("uname").value;
   let flag = 0;
   console.log("hi")
   let url = "data.xml";
   fetch(url)
      .then((response) => response.text())
      .then((data) => {
         let parser = new DOMParser();
         let xml = parser.parseFromString(data, "application/xml");

         let userid = xml.getElementsByTagName("userid");

         let username = xml.getElementsByTagName("username");
         let address = xml.getElementsByTagName("address");
         let phone = xml.getElementsByTagName("phone");
         let email = xml.getElementsByTagName("email");

         for (let i = 0; i < userid.length; i++) {
           if (id == userid[i].firstChild.nodeValue) {
               let user =
                  username[i].firstChild.nodeValue +
                " - " +
                  address[i].firstChild.nodeValue +
                  " - " +
                  phone[i].firstChild.nodeValue +
                  " - " +
                  email[i].firstChild.nodeValue;

               document.getElementById("result").innerHTML = user;
               flag = 1;
           }
         }
         if (flag === 0) {
            document.getElementById("result").innerHTML = "Invalid User";
         }
      });
}
```

okie()

styles.css:

```
.container {
    position: relative;
    top: 10%;
    left: 40%;
}

#btn {
    margin-left: 65px;
    padding: 10px;
    padding-left: 25px;
    padding-right: 25px;
    font-size: small;
    border: 1px solid black;
    background-color: black;
    color: white;
    transition: 0.2s;
}

#btn:hover {
    background-color: white;
    border: 1px solid black;
    color: black;
}

h2 {
    margin-left: 45px;
}

input {
    padding: 25px;
    padding-left: 35px;
    padding-right: 35px;
    border: 0px;
    box-shadow: 0px 0px 10px 8px rgb(238, 238, 238);
}

input:focus {
    background-color: white;
    outline: none;
}
```

```
#result {
   margin-left: 30%;
   margin-top: 80px;
}
```

14) Create a registration form with the following f

- Name (Text field)

- Password (Password field)
- Email id (Text field)
- Phone Number (Text field)
- Date of birth (3 select boxes)
- Languages known (check boxes-English, Tamil,Hindi,Telugu)
- Address (Text area)

Write JavaScript to validate the following fields

- Name should contain alphabets and the length should not be le 15 characters
- Password should not be less than 8 characters
- Email-ld should not contain any invalid characters and must follow the standard pattern (name@domain.com)
- Phone number should contain 10 digits only.

PROGRAM:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
</head>
<body>
  <form name="f1" onsubmit="validation()">
   Name:<input type="text" name="name"><br><br>
   Password:<input type="password" name="password"><br><br>
   Email:<input type="text" name="email"><br><br>
   Phone number:<input type="text" name="phno"><br><br>
   Date Of Birth:<input type="date" name="dob"><br><br>
   Languages known:<input type="checkbox">English
   <input type="checkbox">Tamil
   <input type="checkbox">Hindi
   <input type="checkbox">Telugu<br><br>
   <input type="submit" placeholder="Submit">
   <input type="reset" placeholder="Clear">
  </form>
  <script>
    function validation(){
      var name=document.f1.name.value;
```

```
    var password=document.f1.password.value;
    var email=document.f1.email.value;
    var phno=document.f1.phno.value;
    var nameval=/^[a-zA-Z]+$/g;
    var emailval=/^[a-zA-Z0-9+-._]+@[a-zA-Z0-9.]+$/g;
    var phnoval=/^[0-9]+$/g;
    if(!nameval.test(name)){
      alert("Alphabets only");
    }
    if(name.length<15){
      alert("Name should be greater than 15");
    }
    if(password.length<8){
      alert("Password should be less than 8");
    }
    if(!emailval.test(email)){
      alert("Email should be in standard format");
    }
    if(phno.length<10||phno.length>10){
      alert("Phno should be in 10 digits");
    }
    if(!phnoval.test(phno)){
      alert("Phno should only be numbers");
    }
   }
  </script>
</body>
</html>
```

15) Write an HTML page including required JavaScript that takes a number from one text field in the range of 0 to 999 and shows it in a another text field in words. If the numbers out of range, it should show "out of range" and if it is not a number, it should show "not a number" message in the result box.

```
<html>
<head>
<title>EX 4</title>
</head>
<body style="background-color:mediumseagreen; color:dongerblue">
<script language="javascript">
function numtowords(number)
{
 hyphen = '-';
 conjunction = ' and ';
 separator = ', ';
 dictionary = {
 0 : 'zero',
 1 : 'one',
 2 : 'two',
 3 : 'three',
 4 : 'four',
```

```
 5 : 'five',
 6 : 'six',
 7 : 'seven',
 8 : 'eight',
 9 : 'nine',
 10 : 'ten',
 11 : 'eleven',
 12 : 'twelve',
 13 : 'thirteen',
 14 : 'fourteen',
 15 : 'fifteen',
 16 : 'sixteen',
 17 : 'seventeen',
 18 : 'eighteen',
 19 : 'nineteen',
 20 : 'twenty',
 30 : 'thirty',
 40 : 'fourty',
 50 : 'fifty',
 60 : 'sixty',
 70 : 'seventy',
 80 : 'eighty',
 90 : 'ninety',
 100 : 'hundred',
};
 if (number < 0 || number > 999)
 {
 alert("Enter a number range between 0 and 999");
 return "";
 }
  switch (true)
 {
 case (number < 21):
 string = dictionary[number];
 break;

 case (number < 100):
 tens = parseInt(number / 10) * 10;
 units = number % 10;
 string = dictionary[tens];
 if (units)
{
   string += hyphen + dictionary[units];
 }
 break;

 case (number < 1000):
 hundreds = parseInt(number / 100);
 remainder = number % 100;
 string = dictionary[hundreds] + ' ' + dictionary[100];
 if (remainder)
{
```

```
   string += conjunction + numtowords(remainder);
  }
  break;
  default:
  break;
  }
  return string;
}
a=prompt("Enter a number");
num=parseInt(a);
document.write(numtowords(num));
</script>
</body>
</html>
```