

Lab manual

1. World map

```
<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">
  <title>Document</title>
  <style>
    img{
      border: 5px solid rgb(22, 6, 38);
    }
    h1{
      font-weight: 500px;
      font-family:Georgia, 'Times New Roman', Times, serif;
    }
  </style>

</head>
<body style="background-color:cornsilk">
  <center>
    <h1>MAP OF THE WORLD</h1>
    
    <map name="worldmap">
      <area shape="poly"

coords="604,88,589,157,562,195,521,221,543,264,583,241,613,243,632,277,644,252,667,240,6
90,270,710,271,716,248,736,230,741,217,741,195,762,209,781,202,785,172,782,144,807,129,8
32,117,836,151,865,122,879,118,886,104,906,100,870,83,783,80,727,70,712,58,692,51"
      href="ASIA/Asia.html" alt="Asia">
      <area shape="poly"
coords="489,81,452,117,411,197,496,185,559,174,549,143,585,148,600,85"
href="https://en.wikipedia.org/wiki/Europe"
      alt="Europe">
      <area shape="poly" coords="392,249,501,396,565,275,452,187,398,241"
href="AFRICA/Africa.html" alt="Africa">
      <area shape="poly" coords="452,509,394,525,869,525,789,492,578,494,557,497"
href="ANTARTICA/Antartica.html"
      alt="Antartica">
```

```

        <area shape="poly" alt="Australia"
href="https://en.wikipedia.org/wiki/Australia"
coords="725,351,731,380,802,401,818,357,796,328,735,348,767,328,779,332">
        <area shape="poly" alt="Northamerica" coords="31,76,227,5,411,24,185,275"
href="NORTHAMERICA/USA.html">
        <area shape="poly" alt="Southamerica"
coords="240,275,269,269,350,314,248,458,259,346,239,322,230,308"
        href="SOUTHAMERICA/South.html">
    </map>
</center>
</body>
</html>

```

2.college website

External Cascading stylesheets:

index.html

```

<!DOCTYPE html>

<html>

<head>

<title>vcet.web</title>

<link href="style.css" rel="stylesheet" >

</head>

<body>

<div class="head">

<pre> velalar college of
engineering and technology <br>thindal erode - 12 </pre> </div>

<nav>

<h2 class="look">Vcet</h2>

```


Home

Department

Courses

Club Activities

Pay fees

</nav>

<div class="content">

<h1><pre>

Vision:</h1></pre>

<p><pre>

To provide a wide range of Academic and Research Programmes and strive to develop a Centre of Excellence for Learning.

</P></pre>

<p>

<h1><pre> Mission:</h1></pre>

<pre> M1: To impart essential knowledge to the students through quality education, training and research activities.

M2: To inculcate the students with Societal Awareness, Professional Ethics and Leadership Qualities.

M3: To mould the students as high quality Engineers, Technocrats, Scientists, Administrators and Entrepreneurs.

</p></pre>

<P>

<h1><pre> Quality Policy:</h1></pre>

<pre> Committed to inculcate the values of discipline, honesty and integrity among students, faculty and staff and to bring out the significance of the close interaction
 among Educational Institutions, Industries and the Society for the Cultural, Social and Economic advancements of our Nation.

</P></pre>

</div>

</body>

</html>

CSS:

style.css

@import

url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;700;800;900&display=swap');

{

box-sizing: border-box;

margin:0;

padding:0;

font-family: 'Poppins', sans-serif;

}

body{

background: linear-gradient(to left,rgba(0, 0, 0, 0.5)100%,rgba(0 , 0, 0, 0.5)100%),url(college.jpeg);

background-repeat: no-repeat;

background-size: cover;

```
}
```

```
.head{
```

```
display: flex;
```

```
font-size: 40px;
```

```
text-transform: uppercase;
```

```
color:orangered;
```

```
-webkit-text-stroke: 0.7px black;
```

```
padding: 10px 10px 20px 50px;
```

```
margin-top: 10px;
```

```
text-align: center;
```

```
}
```

```
.look{
```

```
color: orangered;
```

```
font-size: 40px;
```

```
text-align: center;
```

```
float: left;
```

```
padding: 8px 8px 0px 20px ;
```

```
}
```

```
nav {
```

```
background-color: black;
```

```
}
```

```
ul{
```

list-style-type:

none; display: flex;

padding-left: 10%;

}

li a{

display: block;

padding: 20px 40px;

text-decoration:

none; text-align:

center;

color: white;

font-size: 20px;

}

li a span{

border: none;

background-color:

red; padding: 15px

15px; text-align:

center; border-radius:

30px; }

li a:hover{

color: red;

transition: .3s;

```
}  
  
li a span:hover{  
  
    color: black;  
  
}  
  
.content{  
  
    color: white;  
  
}
```

Internal Cascading stylesheets:

index.html

```
<!DOCTYPE html>  
  
<html>  
  
    <head>  
  
        <title>vcet.web</title>  
  
        <style>  
  
            @import  
            url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;700;800;900&dis  
            play=swap');  
  
            *{  
  
                box-sizing: border-box;  
  
                margin:0;  
  
                padding:0;  
  
                font-family: 'Poppins', sans-serif;  
  
            }  
  
            body{
```

```
background: linear-gradient(to left,rgba(0, 0, 0, 0.5)100%,rgba(0 , 0,  
0, 0.5)100%),url(college.jpeg);
```

```
background-repeat: no-repeat;
```

```
background-size: cover;
```

```
}
```

```
.head{
```

```
display: flex;
```

```
font-size: 40px;
```

```
text-transform:
```

```
uppercase; color:orangered;
```

```
-webkit-text-stroke: 0.7px
```

```
black; padding: 10px 10px 20px
```

```
50px; margin-top: 10px;
```

```
text-align: center;
```

```
}
```

```
.look{
```

```
color: orangered;
```

```
font-size: 40px;
```

```
text-align: center;
```

```
float: left;
```

```
padding: 8px 8px 0px 20px ;
```

```
}
```

```
nav {
```



```
background-color: black;  
}
```

```
ul{  
  
list-style-type: none;  
  
display: flex;  
  
padding-left: 10%;  
}
```

```
li a{  
  
display: block;  
padding: 20px  
  
40px; text-decoration:  
  
none; text-align:  
  
center; color: white;  
  
font-size: 20px;  
}
```

```
li a span{  
  
border: none;  
  
background-color:  
  
red; padding: 15px  
  
15px; text-align:  
  
center; border-radius:  
  
30px; }
```

```
li a:hover{
```

```
color: red;
```

```
transition: .3s;
```

```
}
```

```
li a span:hover{
```

```
color: black;
```

```
}
```

```
.content{
```

```
color: white;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="head">
```

```
<pre>
```

```
velalar college of engineering and technology <br>thindal erode - 12
```

```
</pre> </div>
```

```
<nav>
```

```
<h2 class="look">Vcet</h2>
```

```
<ul>
```

```
<li><a href="#">Home</a></li>
```

```
<li><a href="#">Department</a></li>
```

```
<li><a href="#">Courses</a></li>
```

```
<li><a href="#">Club Activities</a></li>
```

```
<li><a href="#"><span>Pay fees</span></a></li>
```


</nav>

<div class="content">

<h1><pre>

Vision:</h1></pre>

<p><pre>

To provide a wide range of Academic and Research Programmes and strive to develop a Centre of Excellence for Learning.

</P></pre>

<p>

<h1><pre> Mission:</h1></pre>

<pre> M1: To impart essential knowledge to the students through quality education, training and research activities.

M2: To inculcate the students with Societal Awareness, Professional Ethics and Leadership Qualities.

M3: To mould the students as high quality Engineers, Technocrats, Scientists, Administrators and Entrepreneurs.

</p></pre>

<P>

<h1><pre> Quality Policy:</h1></pre>

<pre> Committed to inculcate the values of discipline, honesty and integrity among students, faculty and staff and to bring out the significance of the close interaction
 among Educational Institutions, Industries and the Society for the Cultural, Social and Economic advancements of our Nation.

</P></pre>

</div>

</body>

</html>

Inline cascading stylesheets:

index.html:

<!DOCTYPE html>

<html>

<head>

<title>vcet.web</title>

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link

href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;700&display=swap" rel="stylesheet">

</head>

<body style="font-family: 'Poppins', sans-serif;background: linear-gradient(to left,rgba(0, 0, 0, 0.5)100%,rgba(0 , 0, 0, 0.5)100%),url(college.jpeg);background-repeat: no repeat;background-size: cover; ">

<div class="head" style="display: flex;font-size: 40px;text-transform: uppercase;color:orangered;-webkit-text-stroke: 0.7px black;padding: 10px 10px 20px 50px;margin-top: 10px;text-align: center;">

 velalar college of engineering and technology
thindal erode - 12

</pre> </div>

<nav style="background-color: black;">

<ul style="list-style-type: none;

display: flex;

```
padding-left: 10%;">
<li><a href="#" style="display: block;padding: 20px 40px;text-decoration: none;text align:
center;color: white;font-size: 20px;">Home</a></li>
```

```
<li><a href="#" style="display: block;padding: 20px 40px;text-decoration: none;text align:
center;color: white;font-size: 20px;">Department</a></li>
```

```
<li><a href="#" style="display: block;padding: 20px 40px;text-decoration: none;text align:
center;color: white;font-size: 20px;">Courses</a></li>
```

```
<li><a href="#" style="display: block;padding: 20px 40px;text-decoration: none;text align:
center;color: white;font-size: 20px;">Club Activities</a></li>
```

```
<li><a href="#" style="display: block;padding: 20px 40px;text-decoration: none;text align:
center;color: white;font-size: 20px;"><span style="border: none;background-
color: red;padding: 15px 15px;text-align: center;border-radius: 30px;">Pay
fees</span></a></li></div>
```

```
</ul>
```

```
</nav>
```

```
<div class="content" style="color: white;">
```

```
<h1><b>Vision:</b></h1>
```

```
<p>
```

To provide a wide range of Academic and Research Programmes and strive to develop a Centre of Excellence for Learning.

```
</P>
```

```
<p>
```

```
<h1><b>Mission:</b></h1>
```

M1: To impart essential knowledge to the students through quality education, training and research activities.

M2: To inculcate the students with Societal Awareness, Professional Ethics and Leadership Qualities.

M3: To mould the students as high quality Engineers, Technocrats, Scientists, Administrators and Entrepreneurs.

```
</p>
```

<P>

<h1>Quality Policy:</h1>

Committed to inculcate the values of discipline, honesty and integrity among students, faculty and staff and to bring out the significance of the close interaction
 among Educational Institutions, Industries and the Society for the Cultural, Social and Economic advancements of our Nation.

</P>

</div>

</body>

</html>

3. Registration form

form.html

<!DOCTYPE html>

<html>

<head>

<title>Form</title>

<script>

function validateform()

{

var name=document.frm.name.value;

var password=document.frm.pwd.value;

var email=document.frm.email.value;

var phone=document.frm.mobile.value;

var nameval=/^[a-zA-Z]+\$/g;

var emailval=/^[a-zA-Z0-9+_.-]+@[a-zA-Z0-9.]+\$/g;

var phoneval=/^[0-9]+\$/g;

```
        if(!nameval.test(name))
        {
            alert("Only alphabets are allowed");
        }
        if(name.length<15){
            alert("Name field should not be less than 15 characters");
        }
        if(password.length<8){
            alert("Password must contain atleast 8 characters");
        }
        if(!emailval.test(email))
        {
            alert("Invalid Email format");
        }
        if(phone.length<10)
        {
            alert("Phone number should not be less than 10 digits");
        }
        if(!phoneval.test(phone))
        {
            alert("Phone number should be only digits");
        }
    }
</script>
</head>
<body>
    <form method="get" name="frm" onsubmit="validateform()">
        <h1> <center>REGISTRATION FORM</center></h1>
        <label>Name :
```

```
<input type="text" placeholder="Enter your name" name="name">
</label>
<br><br>
<label>Password :
    <input type="password" placeholder="Enter your password" name="pwd">
</label>
<br><br>
<label>Email :
    <input type="email" placeholder="Enter your email-id" name="email">
</label><br><br>
<label>Phone Number :
    <input type="tel" placeholder="Enter your mobile number" name="mobile">
</label><br><br>
<label>Date of birth :
    <input type="date">
</label><br>
<p>
<label> Languages Known:<br><br>
<label>English
    <input type="checkbox" >
</label>
<label>Tamil
    <input type="checkbox" >
</label>
<label>Hindi
    <input type="checkbox" >
</label>
<label>Telugu
    <input type="checkbox" >
```



```

        </label>
    </label>
</p>
<label>Address:<br><br>
    <textarea rows="5" cols="50" placeholder="Enter your Permanent Address" ></textarea>
</label><br>
    <input type="submit" value="Submit"> <input type="reset" value="Clear">
</form>
</body>
</html>

```

4. Number to words:

PROGRAM:

```

<!DOCTYPE html>
<html>
<head>
    <title>Number to words converter</title>
</head>
<body>
    Enter the Number:<input id="number">
    <button onclick="cnvrtnumtowords()">Convert</button><br><br>
    <h1 id="words">Result:</h1>

</body>
<script>
    function cnvrtnumtowords(){

```

```

document.getElementById('words').innerHTML =
towards(document.getElementById('number').value);
}
function towards(num){
var a =
['','one','two','three','four','five','six','seven','eight','nine','ten','eleven','twelve','thi
rteen','fourteen','fifteen','sixteen','seventeen','eighteen','nineteen'];
var b = ['','twenty','thirty','forty','fifty','sixty','seventy','eighty','ninety'];
if((num = num.toString()).length > 3) return 'out of range';
var numval=/^[0-9]+$ /g;
if(!numval.test(num))
{
window.alert("You entered value is not a number");
}
n = ('000'+ num).substr(-3).match(/^(\\d{1})(\\d{2})$/);
console.log(n);
if(!n) return;
var str = "";

str += (n[1]!==0) ? (a[Number(n[1])] || b[n[1][0]] + ' ' + a[n[1][1]]) + ' hundred ':
";
str += (n[2]!==0) ? ((str !== "") ? ' and ' : "") + (a[Number(n[2])] || b[n[2][0]] + ' ' +
a[n[2][1]]) + ' ' : '';
return str === '' ? '' : str.toUpperCase();
}
</script>
</html>

```

5.Order form Angular JS

```
<!DOCTYPE html>
<html>
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></scri
pt>

<body>
<style>
    table {
        border-collapse: collapse;
    }
    th, td {
        padding: 10px;
        text-align: left;
    }
</style>
    <div ng-app="myApp" ng-controller="myCtrl">
        <table border="1">
            <tr>
                <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 ng-repeat="product in products">
                <td>{{product.name}}</td>
                <td>{{product.quantity}}</td>
                <td>Rs.{{product.price}}</td>
                <td>Rs.{{product.quantity*product.price}}</td>
                <td><button class="btn btn-primary" ng-
click="add(product)">ADD</button></td>
                <td><button class="btn btn-danger" ng-
click="remove(product)">REMOVE</button></td>
            </tr>
        </table>
        <h2>Total Price: {{totalPrice}}</h2>
    </div>
</body>
</html>
```

```
</div>

<script>
  var app = angular.module('myApp', []);
  app.controller('myCtrl', function ($scope) {
    $scope.products = [
      {
        name: "Miranda",
        quantity: 0,
        price: 100
      },
      {
        name: "Pepsi",
        quantity: 0,
        price: 75
      },
      {
        name: "Fanta",
        quantity: 0,
        price: 85
      },
      {
        name: "Fizz",
        quantity: 0,
        price: 80
      },
    ]
    $scope.totalPrice = 0
    $scope.add = (product) =>{
      if(product.quantity >= 0){
        product.quantity++;
        $scope.totalPrice = $scope.totalPrice + product.price
      }
    }
    $scope.remove = (product)=> {
      if(product.quantity > 0){
        product.quantity--;
        $scope.totalPrice = $scope.totalPrice - product.price
      }
    }
  });
</script>
```

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

6.Grid and list using AngularJS

```
<html>  
  
<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;  
  
}
```

```
.bar a.list-icon  
  
{  
  
background-image:  
url(data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAABAAAAAQCAYAAAAf8/9  
hAAAAGXRFWHRTb2Z0d2FyZQBBZG9iZSBJbWFnZVJlYWR5ccllPAAAAyBpVFh0WE1  
MOmNvbS5hZG9iZS54bXAAAAAAADw/eHBhY2tldCBiZWdpbj0i77u/IiBpZD0iVzVNME1  
wQ2VoaUh6cmVTek5UY3prYzlkIj8+IDx4OnhtcG1ldGEgeG1sbnM6eD0iYWVRvYmU6bnM6b  
WV0YS8iIHg6eG1wdGs9IkFkb2JlIFhNUCBDb3JlIDUuMC1jMDYwIDYxLjEzNDc3NywgMj  
AxMC8wMi8xMi0xNzozMjowMCAgICAgICAgIj4gPHJkZjpSREYgeG1sbnM6cmRmPSJodH  
RwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnM6Ij4gPHJkZjpEZXNjcml  
wdGlubiByZGY6YWJvdXQ9IiIgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYmUuY29tL3h  
hcC8xLjAvLiB4bWxuczp4bXBNTT0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wL21tL
```

yIgeG1sbnM6c3RSZWY9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC9zVHlwZS9SZXNvdXJjZVJlZiMiIHhtcDpDcmVhdG9yVG9vbD0iQWRvYmUgUGhvdG9zaG9wIENTNSBXaW5kb3dzLiB4bXBNTTpJbnN0YW5jZU1EPSJ4bXAuaWlkOkYzNkFCQ0ZBMTBCRTErRTM5NDk4RDFEM0E5RkQ1NEZCIiB4bXBNTTpEb2N1bWVudElEPSJ4bXAuZGlkOkYzNkFCQ0ZCMTBCRTErRTM5NDk4RDFEM0E5RkQ1NEZCIj4gPHhtcE1NOkRlcml2ZWRGcm9tIHN0UmVmOmluc3RhbmNlSUQ9InhtcC5paWQ6RjM2QUJDRjgxEJFMtFFMzk0OThEMUQzQTlGRDU0RkIiIHN0UmVmOmRvY3VtZW50SUQ9InhtcC5kaWQ6RjM2QUJDRjkxMEJFMtFFMzk0OThEMUQzQTlGRDU0RkIiLz4gPC9yZGY6RGVzY3JpcHRpb24+IDwvcmlRmOIJE Rj4gPC94OnhtcG1ldGE+IDw/eHBhY2tldCB1bmQ9InIiPz7h1bLqAAAAWU1EQVR42mL8//// BwYGBn4GCACxBRlIAIxAA/4jaXoPEkMyjJ+A/g9MDJQBRhYg8RFqMwg8RJIUINYLFdm BUI+ADQAF1n8ofk9yIAy6WPg4GgtDMRYAAgWAdLYwLAoIwPgAAAAASUVORK5CYII =);

}

.bar a.grid-icon

{

background-image:

url(data:image/png;base64,iVBORw0KGgoAAAANSUHEUgAAABAAAAAQCAyAAAAf8/9 hAAAAGXRFWHRTb2Z0d2FyZQBBZG9iZSBJbWFnZVJlYWR5ccllPAAAAyBpVFh0WE1 MOmNvbS5hZG9iZS54bXAAAAAADw/eHBhY2tldCB1ZWdpbj0i77u/IiBpZD0iVzVNME1 wQ2VoahU6cmVTEk5UY3prYzlkIj8+IDx4OnhtcG1ldGEgeG1sbnM6eD0iYWRvYmU6bnM6b WV0YS8iIHg6eG1wdGs9IkFkb2JlIFhNUCBDb3JlIDUuMC1jMDYwIDYxLjEzNDc3NywgMj AxMC8wMi8xMi0xNzozMjowMCAgICAgICAgIj4gPHJkZjpSREYgeG1sbnM6cmRmPSJodH Rwoi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjIj4gPHJkZjpEZXNjcml wdGlviBiByZGY6YWJvdXQ9IiIgeG1sbnM6eG1wPSJodHRwOi8vb3MuYWRvYmUuY29tL3h hcC8xLjAvLiB4bWxuczp4bXBNTT0iaHR0cDovL25zLmFkb2JlLmNvbS94YXAvMS4wL21tL yIgeG1sbnM6c3RSZWY9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC9zVHlwZS9SZX NvdXJjZVJlZiMiIHhtcDpDcmVhdG9yVG9vbD0iQWRvYmUgUGhvdG9zaG9wIENTNSBXa W5kb3dzLiB4bXBNTTpJbnN0YW5jZU1EPSJ4bXAuaWlkOkJBEQkMyQzE0MTBCRjExRTNB MDlGRTYyOTIBNDdCN0I4IiB4bXBNTTpEb2N1bWVudElEPSJ4bXAuZGlkOkJBEQkMyQzE 1MTBCRjExRTNBMDlGRTYyOTIBNDdCN0I4Ij4gPHhtcE1NOkRlcml2ZWRGcm9tIHN0Um VmOmluc3RhbmNlSUQ9InhtcC5paWQ6MERCQzJDMTIxMEJGMtFFM0EwOUZFNjI5OUE 0N0I3QjgiIHN0UmVmOmRvY3VtZW50SUQ9InhtcC5kaWQ6MERCQzJDMTMxMEJGMtF FM0EwOUZFNjI5OUE0N0I3QjgiLz4gPC9yZGY6RGVzY3JpcHRpb24+IDwvcmlRmOIJERj4g PC94OnhtcG1ldGE+IDw/eHBhY2tldCB1bmQ9InIiPz4MjPshAAAAXklEQVR42mL4////h/8I8B 6IGaCYKHFGEMnAwCDIAAHvgZgRyiZKnImBQsACxB+hNoDAQyQ5osQZIT4gH1DsBZA BH6AB8x/JaQzEig++WPiI7Rxio/GwmCIBYAAAwAwVIzMp1R0aQAAAABJRu5ErkJggg= =);

}

/*-----List layout-----*/

ul.list

```
{  
list-style: none;  
width: 500px;  
margin: 0 auto;  
text-align: left;  
}
```

ul.list li

```
{  
border-bottom: 1px solid #ddd;  
padding: 10px;  
overflow: hidden;  
}
```

ul.list li img

```
{  
float: left;  
border: none;  
}
```

ul.list li p

```
{  
margin-left: 135px;  
font-weight: bold;  
}
```



```
/*-----Grid layout-----*/
```

```
ul.grid
```

```
{
```

```
list-style: none;
```

```
width: 570px;
```

```
margin: 0 auto;
```

```
text-align: left;
```

```
}
```

```
ul.grid li
```

```
{
```

```
padding: 40px;
```

```
float: left;
```

```
}
```

```
</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"><h2>{{ data.Name }}</h2></li>

</ul>

<ul ng-show="layout == 'list'" class="list">

<li ng-repeat="data in Data">

<h2>{{ data.Name }}</h2>

</li>

</ul>

</div>
```

</body>

</html>

Ex:no:07

**DESIGN A WEBPAGE THAT DISPLAYS USER INFORMATION
USING XML**

Roll.no:

Date:

Page no:

AIM:

To Create and save an XML document at the server, which contains 10 users Information. And write a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

ALGORITHM:

step 1: Start the program.

Step 2: Create an XML file having 10 user information.

Step 3: Write an HTML program that takes user id as input and submit button.

Step 4: Write a function that fetches the server and read the data of the user from the xml file and should return the data.

Step 5: Display the details of the user.

Step 6: Else display invalid.

Step 7: Stop the program.

PROGRAM:

Data.xml

```
<?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;  
}
```

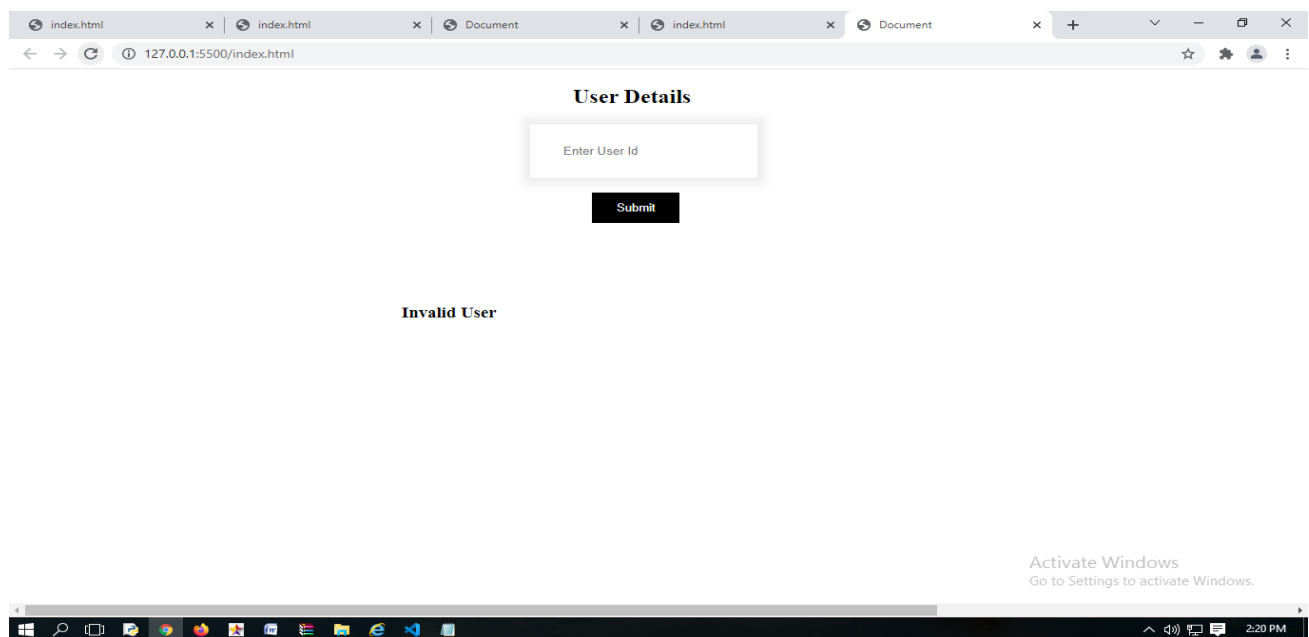
```
input {  
    padding: 25px;  
    padding-left: 35px;  
    padding-right: 35px;  
    border: 0px;  
    box-shadow: 0px 0px 10px 8px rgb(238, 238, 238);  
}
```

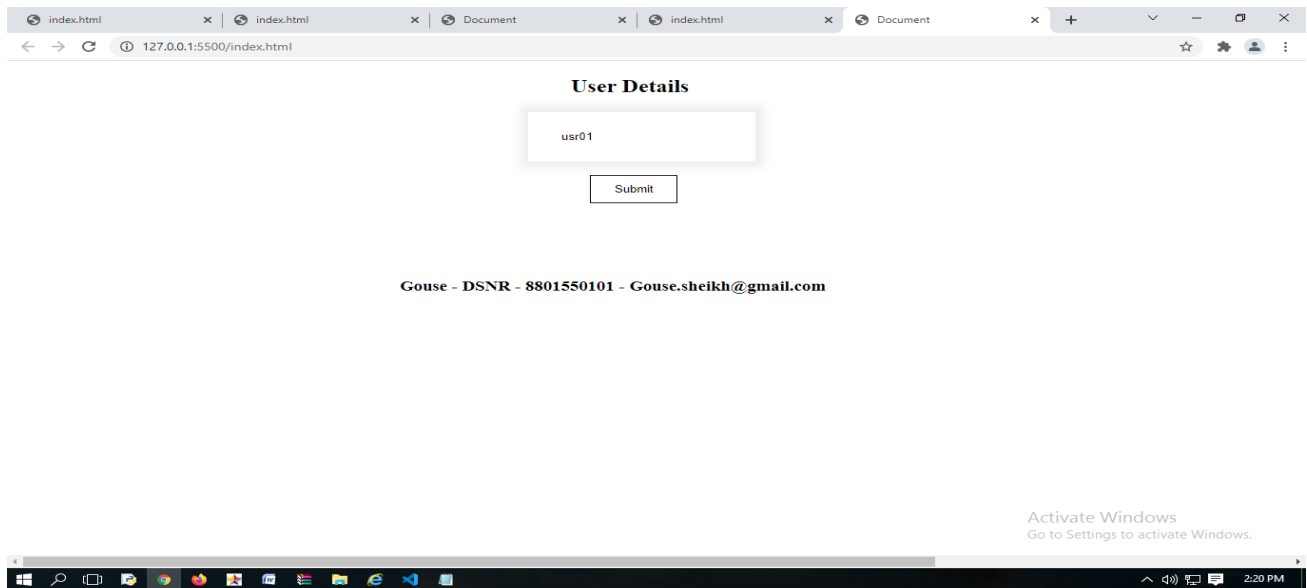
```
input:focus {  
    background-color: white;
```

```
outline: none;
}

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

OUTPUT:





RESULT:

Thus the program to read the data of user from the xml file has been successfully implemented using html.

Ex:no:08

**CREATE CONTACTS ADDRESS BOOK USING XML AND VALIDATE
WITH DTD**

Roll.no:

Date:

Page no:

AIM:

To Write a DTD for an XML document that declares an address book containing contacts.

ALGORITHM:

Step 1: Start the program

Step 2: Create an XML document which declares address book of the contacts.

Step 3: Write a DTD for an XML file.

Step 4: Load the main page to get the output

Step 5: Stop the program.

PROGRAM:

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE AddressBook [
  <!ELEMENT AddressBook (Address+)>
  <!ELEMENT Address (Name, Street, City,phoneno)>
  <!ATTLIST Address id CDATA #REQUIRED>
  <!ELEMENT Name (#PCDATA)>
  <!ELEMENT Street (#PCDATA)>
  <!ELEMENT City (#PCDATA)>
  <!ELEMENT phoneno (#PCDATA)>
]>
<AddressBook >
  <Address id='1'>
```

```
<Name >Jeniffer</Name>
<Street >Wall Street </Street >
<City> New York </City >
<phoneno>91 21898912</phoneno>
</Address >
<Address id='2'>
  <Name >Udaya</Name >
  <Street>Ram Nager</Street >
  <City> New York </City >
  <phoneno>91 21898912</phoneno>
</Address >
<Address id='3'>
  <Name >Tharun</Name >
  <Street> Shivanagar </Street >
  <City> New York </City >
  <phoneno>91 21898912</phoneno>
</Address >
</AddressBook >
```

OUTPUT:

C:\Users\Administrator\Desktop\10\8.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE AddressBook>
- <AddressBook>
  - <Address id="1">
    <Name>Jeniffer</Name>
    <Street>Wall Street</Street>
    <City>New York</City>
    <phoneno>91 21898912</phoneno>
  </Address>
  - <Address id="2">
    <Name>Udaya</Name>
    <Street>Ram Nager</Street>
    <City>New York</City>
    <phoneno>91 21898912</phoneno>
  </Address>
  - <Address id="3">
    <Name>Tharun</Name>
    <Street>Shivanagar</Street>
    <City>New York</City>
    <phoneno>91 21898912</phoneno>
  </Address>
</AddressBook>
```

Activate Windows
Go to Settings to activate Windows.

Windows taskbar showing icons for File Explorer, Microsoft Edge, and other applications. The system clock shows 2:44 PM.

Browser address bar showing the file path: file:///C:/Users/ARULESH.P.P/Desktop/ex8.xml

XML Parsing Error: mismatched tag. Expected: </Name>.
Location: file:///C:/Users/ARULESH.P.P/Desktop/ex8.xml
Line Number 13, Column 25:

<Name>Jeniffer</Nam>

Windows taskbar showing icons for File Explorer, Microsoft Edge, and other applications. The system clock shows 10:41 on 16-11-2021.

RESULT:

Thus the program to valid an XML file using DTD has been executed and verified successfully.

Ex:no:09

Date:

IMPLEMENTATION OF AJAX

Roll.no:

Page no:

AIM:

To write a program that displays the Customer details.

ALGORITHM:

Step 1: Start the program

Step 2: Create a html file that gets the request from the user .

Step 3: Write the JavaScript code that gets content and displays the profile of the customer.

Step 4: Create a submit button using html tags

Step 5: Create an XML file containing customer details and include it in the html document

Step 6: Load the main page to get the output

Step 7: Stop the program

PROGRAM:

```
<!DOCTYPE      html      PUBLIC      "-//W3C//DTD      XHTML      1.0
Transitional//EN""http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
<title></title>
<style type="text/css">
    body {
        font-family: Arial;
        font-size: 10pt;
    }

    table {
        border: 1px solid #ccc;
        border-collapse: collapse;
    }

    table th {
        background-color: #F7F7F7;
        color: #333;
        font-weight: bold;
    }

    table th,
    table td {
        padding: 5px;
        border-color: #ccc;
    }
</style>
</head>
```

```

<body>

<h1>AJAX Programming</h1>

<input type="button" id="btnGenerate" value="Enter" />

<hr />

<div id="dvTable">

</div>

<script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.3/jquery.min.js"></script>

<script type="text/javascript">

    $(function() {

        $("#btnGenerate").click(function() {

            //Build an XML containing Customer records.

            var xml = "<Customers>";

            xml += "<Customer>";

                xml += "<CustomerId>1</CustomerId><Name>John
Hammond</Name><Country>United States</Country>";

            xml += "</Customer>";

            xml += "<Customer>";

                xml += "<CustomerId>2</CustomerId><Name>Mudassar
Khan</Name><Country>India</Country>";

            xml += "</Customer>"

            xml += "<Customer>";

                xml += "<CustomerId>3</CustomerId><Name>Suzanne
Mathews</Name><Country>France</Country>";

            xml += "</Customer>";

            xml += "<Customer>";

                xml += "<CustomerId>4</CustomerId><Name>Robert
Schidner</Name><Country>Russia</Country>";

            xml += "</Customer>";

```

```
xml += "</Customers>";
```

```
var xmlDoc = $.parseXML(xml);
```

```
var customers = $(xmlDoc).find("Customer");
```

```
//Create a HTML Table element.
```

```
var table = $("<table />");
```

```
table[0].border = "1";
```

```
//Add the header row.
```

```
var row = $(table[0].insertRow(-1));
```

```
customers.eq(0).children().each(function() {
```

```
    var headerCell = $("<th />");
```

```
    headerCell.html(this.nodeName);
```

```
    row.append(headerCell);
```

```
});
```

```
//Add the data rows.
```

```
$(customers).each(function() {
```

```
    row = $(table[0].insertRow(-1));
```

```
    $(this).children().each(function() {
```

```
        var cell = $("<td />");
```

```
        cell.html($(this).text());
```

```
        row.append(cell);
```

```
    });
```

```
});
```



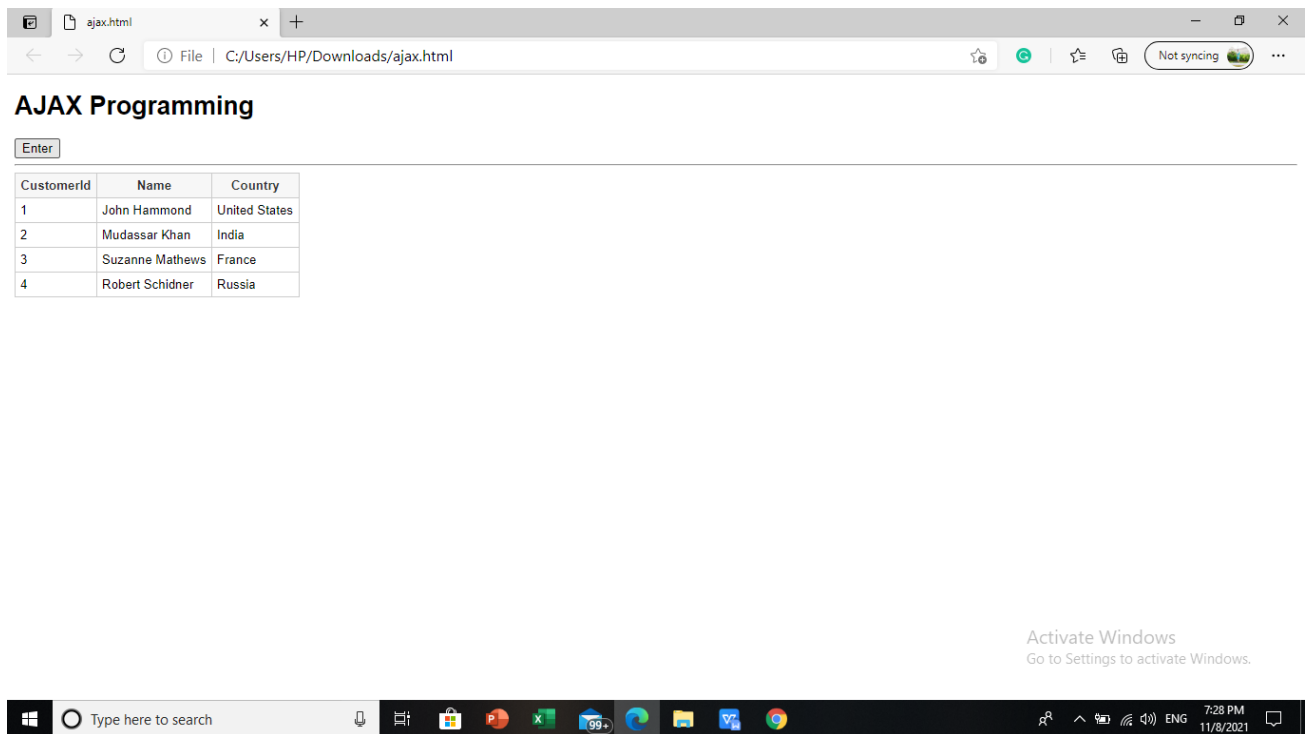
```
var dvTable = $("#dvTable");  
  
dvTable.html("");  
  
dvTable.append(table);  
  
});  
  
});  
</script>  
</body>  
  
</html>
```

OUTPUT:



Activate Windows
Go to Settings to activate Windows.





RESULT:

Thus a program that displays customer details has been executed and verified successfully.

WP set 1

SET-1

1) Create an html page named as “cse.html” Add the following tags detail.

(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 (h1 to h6) c) Paragraph d) Horizontal line e) Line Break f) div tag**

```
<!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.

```
<!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 displayed.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
</head>
<body>
  <h1>To display description when an image is clicked</h1>
  
  <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>

```

5) Create an html page named as "TimeTable.html" to display your class time table.

- a) Provide the title as Time Table.
- b) Provide various color options to different subjects (Highlight the lab hours and elective hours with different colors.)
- c) Include spanning of rows and columns
- d) Include cell spacing and padding

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>TimeTable</title>
</head>
<body>
    <table border="1" style="border-spacing:5px">
        <tr>
            <th> </th>
            <th>1</th>
            <th>2</th>
            <th rowspan="5">B<br>R<br>E<br>A<br>K</th>
            <th>3</th>
            <th>4</th>
            <th rowspan="7">L<br>U<br>N<br>C<br>H</th>
            <th>5</th>
            <th>6</th></tr>
        <tr style="padding:25px">
            <th>Monday</th>
            <td>CN</td>
            <td>TOC</td>
            <td>WP</td>
            <td>ST</td>
            <td colspan="2" style="background-color:lightgreen">OE</td>
        </tr>
    </table>

```

```

<tr style="padding:25px">
  <th>Tuesday</th>
  <td>WP</td>
  <td>MPMC</td>
  <td colspan="2" style="background-color:lightgreen">ALR</td>
  <td>TOC</td>
  <td>CN</td>
</tr>
<tr style="padding:25px">
  <th>Wednesday</th>
  <td>TOC</td>
  <td>MPMC</td>
  <td>WP</td>
  <td>MPMC</td>
  <td colspan="2" style="background-color:lightgreen">ENG-
LAB</td>
</tr>
<tr style="padding:25px">
  <th>Thursday</th>
  <td colspan="2" style="background-color:lightgreen">OE</td>
  <td>CN</td>
  <td>TOC</td>
  <td colspan="2" style="background-color:lightgreen">WP
LAB</td>
</tr>
<tr style="padding:25px">
  <th>Friday</th>
  <td>ST</td>
  <td colspan="4" style="background-color:lightgreen">CN
LAB</td>
  <td>WP</td>
  <td>TOC</td>
</tr>
<tr style="padding:25px">
  <th>Saturday</th>
  <td>MPMC</td>
  <td>WP</td>
  <td></td>
  <td>ST</td>
  <td>CN</td>
  <td>LIB</td>
  <td>MPMC</td>
</tr>
</table>
</body>

```

```
</html>
```

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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></scri
pt>
</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>
```

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}
```

HTML file

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Document</title>
  <link rel="stylesheet" href="external.css">
</head>
<body>
  <h1>To create external stylesheet with the given styles</h1>
  <h1>Subjects</h1>
  <ul>
    <li>Computer Networks</li>
    <li>TOC</li>
    <li>Software Testing</li>
    <li>Web Programming</li>
  </ul>
</body>
</html>
```

CSS File(external.css)

```
body{
  font-family:arial, Helvetica, Times new roman}
li{
  font-weight:bold}
h1{
  text-decoration:underline}
ul{
  margin-left:20px}
```

9) Design a given form that includes the Form elements as shown below

APPLICATION FOR FREE PRODUCT INFORMATION					
1. Title :	<input type="radio"/> Mr.	<input type="radio"/> Ms.	<input type="radio"/> Dr.	<input type="radio"/> Prof.	<input type="radio"/> HH
2. Last Name :	<input type="text"/>				
3. First Name :	<input type="text"/>				
4. Position Held Designation :	<input type="text"/>				
Department :	<input type="text"/>				
Organization :	<input type="text"/>				
Address :	<input type="text"/>				
5. Please indicate the product(s) you would be interested. (Tick all the boxes that apply).					
<input type="checkbox"/> Computer Systems		<input type="checkbox"/> Operating Systems			
<input type="checkbox"/> Peripherals		<input type="checkbox"/> Graphics Software			
1. What is the likely period of your purchasing one or more of the above products ? (Check only one box).					
<input type="checkbox"/> Immediately		<input checked="" type="checkbox"/> 1 to 3 months	<input type="checkbox"/> Within 6 months	<input type="checkbox"/> Within 1 year	
<input type="button" value="SUBMIT"/>		<input type="button" value="CANCEL DATA"/>			

```

<!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>

```



```

<body>
  <h1>Link tag</h1>
  <a href="https://www.wikipedia.org/" style="font-size:30px"
target="_blank">This is used to open a link</a>

</body>
</html>

```

14) Create a registration form with the following fields

- 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 less than 15 characters.
 - Password should not be less than 8 characters.
 - Email-Id should not contain any invalid characters and must follow the standard pattern ([name@domain.com](#))
- Phone number should contain 10 digits only.

```

<!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
  </form>

```

```

<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>

```

WP set 2

- 1) Create a HTML application with links, tables and other tags for a Super market and also do the necessary client side validation using Java script for availability of products.

```

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

```

```

<head>
  <title>SuperMarket</title>
</head>
<body>
  <script>
    function searchprod(){
      let ip=document.getElementById('myinput').value;
      var a=['juice','vegetables','icecreams'];
      for(let i=0;i<a.length;i++){
        if(ip==a[i]){
          window.alert("available");
        }
        else{
          window.alert("Not available");
        }
      }
    }
  </script>
  <center><h1 style="text-transform: uppercase;color: green;">SuperMarket</h1></center>
  <input type="text" id="myinput">
  <input type="button" id="searchbtn" onclick="searchprod()" value="search">
</body>
</html>

```

- 2) Create a static web page using cascading style sheets for an Automobile Company which markets and sells cars. Use at least five hyperlinks. Also embed images in the web page you are creating.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Automobile Company</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <div class="navbar">
      <div class="logo">
        
      </div>

```

```

    <nav>
      <ul>
        <li><a href="">Home</a></li>
        <li><a href="products.html">Products</a></li>
        <li><a href="">About</a></li>
        <li><a href="">Contact Us</a></li>
        <li><a href="">Account</a></li>
      </ul>
    </nav>
  </div>
  <div class="row">
    <div class="col-2">
      <h1>Get your own<br>Stylish Car</h1>
      <a href="" class="btn">Explore Now &#8594;</a>
    </div>
    <div class="col-2">
      
    </div>
  </div>
</div>
</body>
</html>

```

```

*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
.navbar{
  display: flex;
  align-items: center;
  padding: 20px;
}
nav{
  flex: 1;
  text-align: right;
}
nav ul{
  display: inline-block;

```

```
    list-style-type: none;
  }
  nav ul li{
    display: inline-block;
    margin-right: 20px;
  }
  a{
    text-decoration: none;
    color: #555;
  }
  p{
    color: #555;
  }
  .container{
    max-width: 1300px;
    margin: auto;
    padding-left: 25px;
    padding-right: 25px;
  }
  .row{
    display: flex;
    align-items: center;
    flex-wrap: wrap;
    justify-content: space-around;
  }
  .col-2{
    flex-basis: 50%;
    min-width: 300px;
  }
  .col-2 img{
    max-width: 100%;
    padding: 50px 0;
  }
  .btn{
    display: inline-block;
    background: red;
    color: #fff;
    padding: 8px 30px;
    margin: 30px 0;
    border-radius: 30px;
  }
  .categories{
    margin: 20px;
```

```

}
.col-3{
  flex-basis: 30px;
  min-width: 250px;
  margin-bottom: 20px;
}
.col-3 img{
  width: 60%
}
.small-container{
  max-width: 1080px;
  margin: auto;
  padding-left: 10px;
  padding-right: 10px;
}

```

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Products | Automobile Company</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <div class="navbar">
      <div class="logo">
        
      </div>
      <nav>
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="products.html">Products</a></li>
          <li><a href="">About</a></li>
          <li><a href="">Contact Us</a></li>
          <li><a href="">Account</a></li>
        </ul>
      </nav>
    </div>
    <!-- featured categories -->
    <div class="categories">
      <div class="samll-container">

```



```

<div class="row">
  <div class="col-3">
    
  </div>
  <div class="col-3">
    
  </div>
  <div class="col-3">
    
  </div>
  <div class="col-3">
    
  </div>
</div>
</div>
</body>
</html>

```

- 3) Create an XML document for the following data and validate against DTD.
- EMPLOYEE (ENO, NAME, GENDER, DOB, DOJ, DESIGNATION, BASIC, DEPT_NO, PAN)
- DEPARTMENT (DEPT_NO, NAME, MENO)
- PROJECT (PROJ_NO, NAME, DEPT_NO)
- WORKS FOR (ENO, PROJ_NO, DATE_WORKED, HOURS)

```

<?xml version = "1.0" standalone="yes"?>
<!DOCTYPE document [
  <!ELEMENT document (employee)>
  <!ELEMENT employee (eno,name,gender,dob,doj,designation,dept_no)>
  <!ELEMENT eno (#PCDATA)>
  <!ELEMENT name (#PCDATA)>
  <!ELEMENT gender (#PCDATA)>
  <!ELEMENT dob (#PCDATA)>
  <!ELEMENT doj (#PCDATA)>

```

```
<!ELEMENT designation (#PCDATA)>
<!ELEMENT dept_no (#PCDATA)>
<!ELEMENT departments(department)>
<!ELEMENT department(dept_no,name)>
<!ELEMENT dept_no (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT projects (project)>
<!ELEMENT project (proj_no,name,dept_no)>
<!ELEMENT proj_no (#PCDATA)>
<!ELEMENT name(#PCDATA)>
<!ELEMENT dept_no (#PCDATA)>
<!ELEMENT worksforc(worksfor)>
<!ELEMENT worksfor(eno,proj_no,date_worked,hours)>
<!ELEMENT eno(#PCDATA)>
<!ELEMENT proj_no(#PCDATA)>
<!ELEMENT date_worked(#PCDATA)>
<!ELEMENT hours(#PCDATA)>
```

```
] >
```

```
<document>
```

```
<employee>
```

```
<eno>101</eno>
```

```
<name>Grace</name>
```

```
<gender>female</gender>
```

```
<dob>jan 12</dob>
```

```
<doj>October 15, 2005</doj>
```

```
<designation>manager</designation>
```

```
<dept_no>m1</dept_no>
```

```
</employee>
```

```
<departments>
  <department>
    <dept_no>11</dept_no>
    <name>MD</name>
  </department>
</departments>
<projects>
  <project>
    <proj_no>1001</proj_no>
    <name>hms</name>
    <dept_no>m1</dept_no>
  </project>
</projects>
<worksforc>
  <worksfor>
    <eno>101</eno>
    <proj_no>1001</proj_no>
    <date_worked>dec 25</date_worked>
    <hours>3</hours>
  </worksfor>
</worksforc>
</document>
```

- 4) Create a static webpage with links, tables and other tags that will provide information about the services provided in KMCH Multi Specialty Hospital.

```
<!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">

<title>KMCH</title>

</head>

<body>

<center><h1>Emergency Services</h1>

<p>

<h3 style="color: red;">24 HOURS EMERGENCY AND AMBULANCE SERVICES</h3>

Phone :+91 0422 – 2627999, 4323999, 4323100

Mobile :+91 82201 88844

</p>

</center>

<p>

<h4>KMCH TRAUMA CARE CENTERS AND EMERGENCY CARE CONTROL ROOM
FACILITIES</h4>

Trauma is an emotional shock producing a lasting harmful effect, because of unpleasant experience from wound or injury. Road Traffic Accident is one of the common causes of trauma.

Apart from road traffic accidents and other accidents, trauma is also caused by heart attacks (myocardial infraction), poisoning, burns, snakebites, etc. Death due to these causes can be avoided by providing

immediate medical attention. In practice most death cases are prevented in the first hour of the accident, which is also known as the “GOLDEN HOUR” in the medical parlance. Prevention of death is possible by providing careful handling of the victim at the accident spot, providing first aid treatment, transporting the patient to the nearest hospital and providing proper medical treatment.</p>

<p>

Kovai Medical Center & Hospital is a multi-disciplinary super specialty 894 bed hospital with modern medical facilities and state-of-the-art medical equipments. KMCH has extensive medical expertise, facilities and infrastructure to treat all kinds of trauma patients. KMCH is recognized as one of the best Trauma care centers in the country.

</p>

<h3 style="color:green;">Emergency assistance of Disaster Management team at KMCH can be had through the Emergency Control room No. 0422-2627999, 4323999 and 82201-88844.</h3>

</body>

</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">
```

```
<title>Document</title>
```

```
<style>
```

```
.header {
```

```
padding: 80px;
```

```
/* some padding */
```

```
text-align: center;
```

```
/* center the text */
```

```
background: #014d3e;
```

```
/* green background */
```

```
color: white;
```

```
margin: 0%;
```

```
/* white text color */
```

```
}
```

```
/* Increase the font size of the <h1> element */
```

```
.header h1 {
```

```
font-size: 40px;
```

```
}
```

```
.navbar {
```

```
overflow: hidden;
```

```
/* Hide overflow */
```

```
background-color: #333;
```

```
/* Dark background color */
```

```
}

/* Style the navigation bar links */

.navbar a {

float: left;

/* Make sure that the links stay side-by-side */

display: block;

/* Change the display to block, for responsive reasons (see below) */

color: white;

/* White text color */

text-align: center;

/* Center the text */

padding: 14px 20px;

/* Add some padding */

text-decoration: none;

/* Remove underline */

}

/* Right-aligned link */

.navbar a.right {

float: right;

/* Float a link to the right */

}

/* Change color on hover/mouse-over */

.navbar a:hover {
```

```
background-color: #ddd;

/* Grey background color */

color: black;

/* Black text color */

}

</style>

</head>

<body style="background-color:whitesmoke;">

<div class="header">

<h1>KMCH-KOVAI MEDICAL CENTER AND HOSPITAL</h1>

<marquee>

<p>MAKING THE IMPOSSIBLE POSSIBLE</p>

</marquee>

</div>

<div class="navbar">

<a href="#">HOME</a>

<a href="#">ABOUT US</a>

<a href="#">CONSULTANTS</a>

<a href="#">DEPARTMENTS</a>

<a href="#">MEDIA ROOM</a>

<a href="#">FACILITIES</a>

<a href="#">MEDIA VALUE TRAVEL </a>

<a href="#" class="right">CONTACT US</a>
```


</div>

<div>

<center>

<h1>SERVICES PROVIDED BY US</h1>

</center>

<center>

<table border="1">

<tr>

<th style="width:70%;height: 70%;">OUR FACILITIES</th>

<th style="width:70%">FOR MORE INFORMATION</th>

</tr>

<tr>

<th rowspan="3">MEDICAL</th>

<td>Dermatology</td>

</tr>

<tr>

<td>Emergency Services</td></tr>

<tr>

<td>Critical care medicine</td>

</tr>

<tr>

<th rowspan="3">SURGICAL</th>

<td>Neuro Surgery</td>

</tr>

<tr>

<td>Vascular Surgery</td></tr>

<tr>

<td>Spine Surgery</td>

</tr>

</table>

</center>

</div>

</body>

</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">

<title>KMCH</title>

</head>

<body>

<center>

<h1>Spine Surgery</h1>

</center>

<p>

The Orthopaedic Spine Surgery Division in KMCH, under Dr Sreedharan Namboothiri P E is one of the most advanced orthopaedic spine center in india with the latest state of the art diagnostic and surgical equipments. Our orthopaedic spine unit has expertise in doing the rarest of the rare cases as well as the cases which are complex and difficult. We are doing the following procedures:

</p>

<h3 style="color:blue">ENDOSCOPY AND RELATED PROCEDURES</h3>

<p>We do Percutaneous transforaminal endoscopic spine surgery(PELD) ,Discography, Selective Nerve Root Block (SNRB),Cervical discography, and Foraminoplasty PELD:This is a latest advancement in disc surgery in lumbar region .This procedure is done under local anesthesia with least damage to surrounding structures .Only one day admission is needed.

Discography: in this procedure radiocontrast agent is injected into the intervertebral disc space under fluoroscopic guidance to evaluate annular competence and also to help us to correlate the patient's symptoms with the disc pathology and decision making for surgery. SNRB is a specialized procedure which tries to correlate the patient's pain to a particular nerve root.

Foraminoplasty is the very recent advancement in the field of endoscopic spine surgery by which we can open up the intervertebral foramina and relieve the compressive effect on the nerve root by disc, ligament or abnormal bone.</p>

<h3 style="color:blue">MINIMALLY INVASIVE SURGERIES</h3>

<p>

Microlumbar discectomy(MLD),Trans Foraminal Lumbar Inter Body

Fusion(TLIF), Vertebroplasty, Trans Pedicular Biopsy, Percutaneous Pedicle screw

Fixation MLD is a procedure in which stenosed spinal canal is decompressed under

microscopic visualisation to improve the accuracy and to minimise damage to

sorrounding structures TLIF :A procedure highly succesful in chronic low back

ache due to spinal instability ;the unstable spine is fused using allograft &

spinal instrumentation In vertebraoplasty, we inject bone cement into the

vertebral body percutaneously to stabilise an unstable

vertebra and to alleviate vertebral pain due to tumor or osteoporotic

fracture.

</p>

</body>

</html>

5) Create a web page with the following.

i) Cascading style sheets.

ii) Embedded style sheets.

iii) Inline style sheets. Use our college information for the web pages.

6) 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 that ID.
- An error message for an unknown/missing id

7) Create a registration form with the following fields

- 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 less than 15 characters.
- Email-Id should not contain any invalid characters and must follow the standard pattern (name@domain.com)

8) Design a Job Registration form/Sign Up form using HTML. [The Form should contains Text box [name], Radio button [gender], Text area [comments], List Items[country], Date [DOB], Label Field, Password field [password] and check box.

form.html

```
<html>
<head>
<title>Registration Form</title>
</head>
<body>
<h1 align="center">Registration Form</h1>
<form id="form1">
<label>First name: </label>
<input type="text" name="firstname" required>
<br /><br />
<label>Last name: </label>
<input type="text" name="lastname">
<br /><br />
<label>Username: </label>
<input type="text" id="username" required/>
<br /><br />
<span>*Enter alphabets only.</span>
<br /><br />
<label>Enter your Password:</label>
<input type="password" id="pwd">
<br /><br />
<span>*Enter atleast 8 characters</span>
<br /><br />
<label>Re-enter Password:</label>
<input type="password" id="re_pwd">
<br /><br />
<label>Gender:</label>
<input type="radio" name="rad" checked="checked">Male
```

```
<input type="radio" name="rad">Female
<br /><br />
<label>Birthday:</label>
<input type="date" name="bday">
<br /><br />
<label>Email:</label>
<input type="email" id="email"/>
<br /><br />
<label>Mobile.No:</label>
<input type="text" id="mn"/>
<br /><br />
<label>Upload your Photo: </label>
<input type="file" name="myFile">
<br /><br />
<input type="button" value="Submit" onclick="validateForm()"/>
<input type="reset">
</form>
<script src="test.js"></script>
</body>
</html>
```

test.js

```
function validateForm() {

    // validate username
    var username = document.getElementById("username");
    var alphabetsOnly = /^[a-z A-Z]+$/g;
    if (!alphabetsOnly.test(username.value)) {
        alert("Only alphabets are allowed for username");
        return;
    }
    if (username.length < 15) {
        alert('username should at least contain 15 characters');
        return;
    }

    // validate password
    var mypwd = document.getElementById("pwd");
    var myrepwd = document.getElementById("re_pwd");
    if (mypwd.value.length < 8) {
        alert("Password should contain at least 8 characters");
    }
    mypwd.focus();
    return;
}
```

```

    } else if(mypwd.value != myrepwd.value) {
        alert("Passwords are not matching");
    mypwd.focus();
        return;
    }

    // validate mobile number
    var ph = document.getElementById("mn");
    var numbersOnly = /^[0-9]{10}$/g;
    if (!numbersOnly.test(ph.value)) {
        alert('Mobile number should contain exactly 10 numbers');
        return;
    }

    // validate email
    if(!(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/).test(form1.email.value))) {
        alert("Invalid email id");
        return;
    }
}

```

9) Create the XML data for bookstore with collection of CSE/fifth semester books with element title, author, price and publication AND VALIDATE using DTD.

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

11) Create and save an XML document at the server, which contains 10 users Information. Write a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

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

```

<!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>
    </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>
      </ul>
    </ol>
  </body>
</html>

```

- 13) Write an Angular JS framework that allows users to switching between different layout modes (grid or list) with a click of a button.
- 14) 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 number is 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.
- 15) Create a web page with the following using HTML.
 - a. To embed a map in a web page.
 - b. To fix the hot spots in that map.
 - c. Show all the related information when the hot spots are clicked.

