School of Information Technology and Engineering
Cycle Sheet - I, MARCH 2019
B.Tech, Winter-2018-2019

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REG. NO.	18BIT0272
COURSE CODE	ITE1002
COURSE NAME	WEB TECHNOLOGIES
SLOT	L-11+L-12
FACULTY	Prof. MARY MEKALA

Q.1

Create a page aboutme.html that describes you. Include information such as:

i) Your name in the top of the page in large text and your address in smaller text

ii) A description of you in <= 2 sentences. Emphasize important word(s) in bold.

iii) A list of classes you are taking right now with a simple description of each with interesting subjects in marvellous colours.

iv) Your 3 favourite movies, books, or TV shows, in order. Make at least one link to an interesting site about that TV show/movie/book

v) Two images that represent you when you're happy and sad.

vi) Something about one of your neighbours (people sitting next to you, make it interesting as well.

vii) Describe your skill level in programming languages

HTML CODE:

```
<html>
<head>
<title> About me </title>
</head>
<body bgcolor="#E5E4E2">
<h2 align=center><u>Priyal Bhardwaj</u></h2>
<h3 align=center><u>Bhilai, Chhattisgarh</u></h3>
<font size="4" face="Times New Roman" color="green">
I'm pursuing <b>B.Tech - IT</b> in <b>VIT, Vellore</b>.
<br>
I love to listen to<b> K-POP</b> and <b>BTS </b> is my favourite Korean band.
</font>
<h2 align=center><u>List of classes</u></h2>
<ul>
<li><b>Problem Solving and Object Oriented Programming</b>
<ul>
<li> This is a problem solving course in which object oriented methods are used
to design computerized solutions to information systems problems.</li>
</ul></li>
</ul>
<ul>
<li><b>English for Engineers</b>
<ul>
<li> The course covers all the areas of grammar necessary for the
undergraduate students of engineering</li>
```

```
</ul></li></ul>
<ul>
<li><b>Web Technologies</b>
<ul>
<li> A Front-End Technology used for Front-End Development. It includes
HTML, CSS and Javascript</li>
</ul></li></ul>
<ul>
<li><b>Applications of Differential and Difference Equations</b>
<ul>
<li> A branch of mathematics that deals with how efficiently problems can be
solved using calculus, differentiation and integration can help us solve many
types of real-world problems.</li>
</ul></li></ul>
<ul>
<li><b>Digital Logic and Microprocessor</b>
<ul>
<li> How to design digital logic circuits, specifically combinational and
sequential circuits</li>
</ul></li></ul>
<ul>
<li><b>Statistics for Engineers</b>
<ul>
<li>Engineering statistics combines engineering and statistics using scientific
methods for analyzing data</li>
</ul></li></ul>
<ul>
<li><b>Engineering Physics</b>
<ul>
<li>The study of the combined disciplines of physics, mathematics and
engineering, particularly computer, nuclear, electrical, electronic, materials or
mechanical engineering</li>
</ul></li></ul>
<ul>
<li><b>Introduction to Business Communication</b>
<ul>
<li>The basic functions of management (Planning, Organizing, Staffing,
Directing and Controlling) cannot be performed well without effective
communication.</li>
</ul></li></ul>
```

```html
</dl><hr>
<ol>
<h2>My favourite books:</h2><br>
<li>Harry Potter - JK Rowling</li>
<li>To Kill a Mockingbird - Harper Lee</li>
<li>House of Night - P. C. Cast, Kristin Cast</li>
<a href="https://harrypotterbooks.scholastic.com/">Link to Harry Potter</a>
</ol>
<hr>
<table align="center">
  <tr>
    <td>
      <img src="https://i.redd.it/438sp3np5xqy.jpg" alt="Image"
style="width:300px;height:300px;" title="What I look like when I'm Happy">
    </td>
    <td>
      <img src="https://quotespics.net/wp-content/uploads/2016/09/Sad-girls-
cell-5.jpg" alt="Image" style="width:300px;height:300px;" title="What I look
like when I'm Sad">
    </td>
  </tr>
  <tr>
    <td>What I look like when I'm Happy</td>
    <td>What I look like when I'm Sad</td>
  </tr>
</table>
<hr>
<h4>My Neighbour:</h4>
<p>My neighbour's name is <b><u>Pooja Gupta</u></b>.</p>
<ul>
<li>She is from Nepal.</li>
<li>She likes to do yoga regularly and loves to swim.</li>
<li>She is always ready to help when it is needed.</li>
</ul>
<hr>
<h3>Skill in coding:</h3>
<ul>
<li>I am a beginner in coding but am good in Python.</li>
<li>I am also making progress in C and C++ languages.</li>
</ul>
```

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

OUTPUT SCREEN:
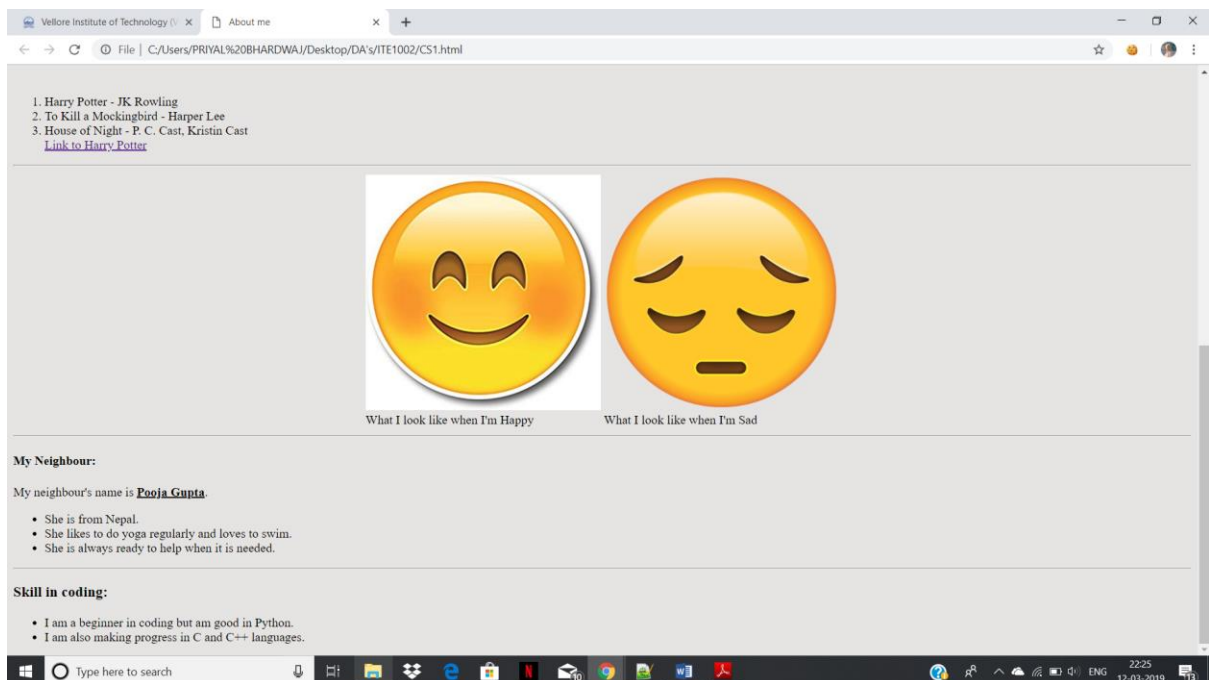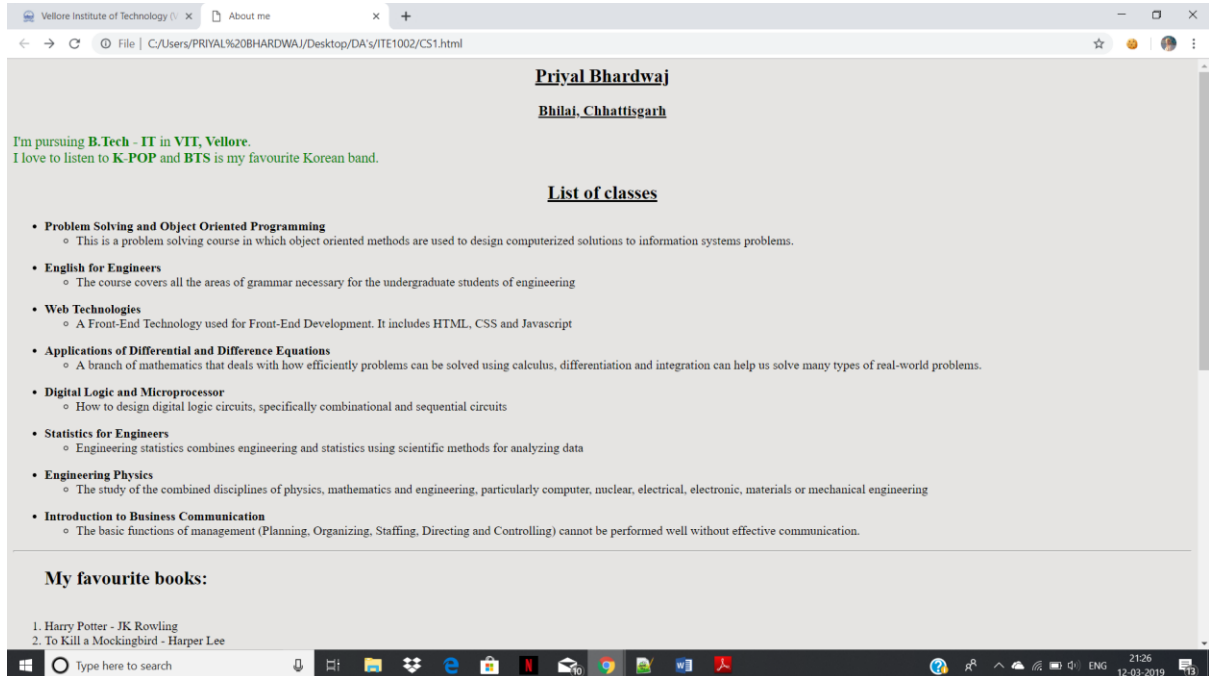
Q.2

Create a stylesheet named styleme.css to improve the appearance of your About Me page.

  i)   Change the color of at least two elements

  ii) Change the font properties (family, size, weight, or style) of at least two elements. Some standard fonts:Arial, Arial Black, Verdana, Trebuchet MS, Georgia, Tahoma, Courier New, Times New Roman

  iii) Change the background color, text alignment and borders

CSS CODE:

```css
#p1
{
        color:Green;
}
h1
{
        color:#E33A3A;
        font-family:Georgia;
        border-style:double solid double solid;
        border-color:Maroon;
        border-width:5px;
        border-radius:10px;
}
#p2
{
        color:Purple;
        font-style:Oblique;
}
.subheads
{
        font-size:20px;
}
.main1
{
        color:Red;
        font-weight:900;
}
dt
{
        font-weight:800;
```

```css
}
body
{
	background-color:lightblue;
}
#address
{
	text-align:right;
}
```

Q.3

Pick 5 corporations and hunt down their current stock prices.

i) Place them in a neatly arranged table with their name, symbol, last price, 52wk high, 52wk low and PE ratio.

ii) The end result should look like the following. Notice that the first column is aligned left and the rest are centered.

iii) Now alter the last table using shaded rows and no border.

My tech stock picks					
NAME	SYMBOL	CURRENT	52WK HI	52WK LO	P/E RATIO
Microsoft	MSFT	86-3/8	119-15/16	75-1/2	56.09
Cisco Systems	CSCO	72-1/8	82	24-13/16	400.69
America Online	AOL	63	95-13/16	38-15/32	350.00
Qwest Communications	Q	44-7/16	66	25-3/4	74.06
Dell Computers	DELL	53-59/64	59-11/16	31-3/8	86.97

HTML CODE:

```html
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q3</title>
</head>
<body>
<table border="5" cellspacing=0 cellpading=10>
	<tr>
		<th colspan="6"><i>My Tech Stock Picks</i></th>
	</tr>
	<tr align=center>
		<th>Name</th>
```

```html
        <th>Symbol</th>
        <th>Last Price</th>
        <th>52wk High</th>
        <th>52wk Low</th>
        <th>PE ratio</th>
</tr>
<tr align=center>
        <td align=left>Microsoft</td>
        <td>MSFT</td>
        <td>86-3/8</td>
        <td>119-15/16</td>
        <td>75-1/2</td>
        <td>56.09</td>
</tr>
<tr align=center>
        <td align=left>Cisco Systems</td>
        <td>CSCO</td>
        <td>72-1/8</td>
        <td>82</td>
        <td>24-13/16</td>
        <td>400.69</td>
</tr>
<tr align=center>
        <td align=left>America Online</td>
        <td>AOL</td>
        <td>63</td>
        <td>95-13/16</td>
        <td>38-15/32</td>
        <td>350.00</td>
</tr>
<tr align=center>
        <td align=left>Qwest Communications</td>
        <td>Q</td>
        <td>44-7/16</td>
        <td>66</td>
        <td>25-3/4</td>
        <td>74.06</td>
</tr>
<tr align=center>
        <td align=left>Dell Computers</td>
```
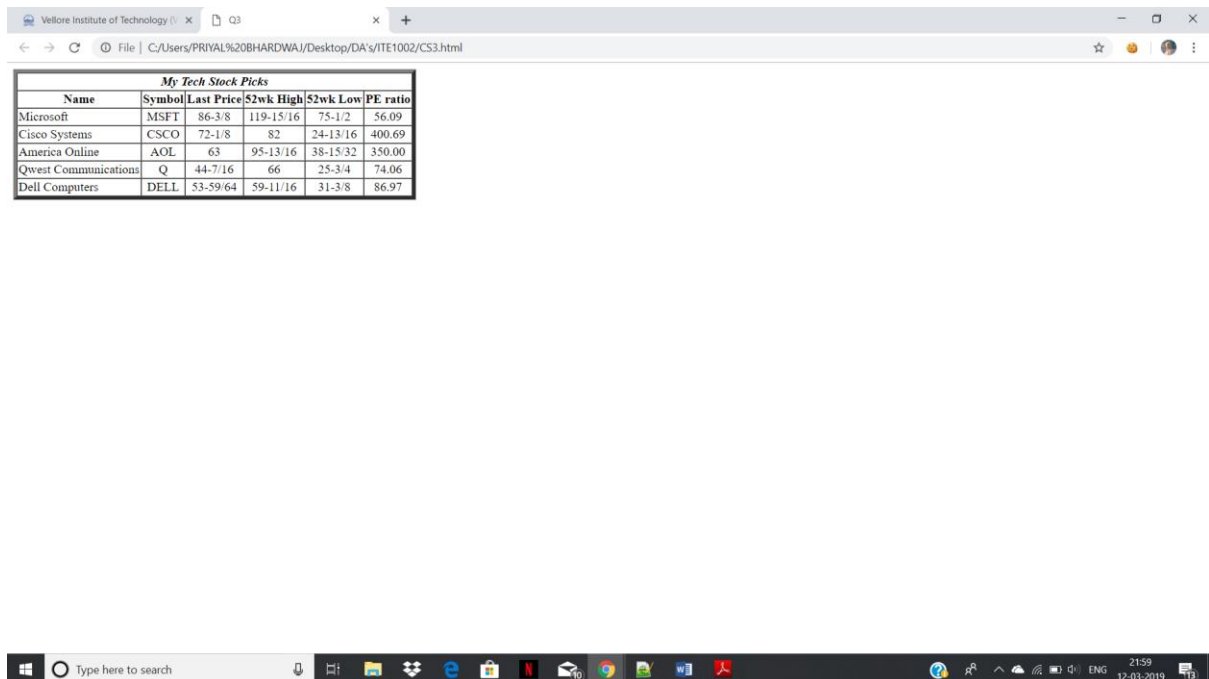
```
        <td>DELL</td>
        <td>53-59/64</td>
        <td>59-11/16</td>
        <td>31-3/8</td>
        <td>86.97</td>
    </tr>
</table>
</body>
</html>
```

OUTPUT SCREEN:

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q3</title>
</head>
<body>
<table cellspacing=0 cellpading=10>
    <tr>
        <th colspan="6"><i>My Tech Stock Picks</i></th>
    </tr>
```

```
<tr bgcolor=pink align=center>
      <th>Name</th>
      <th>Symbol</th>
      <th>Last Price</th>
      <th>52wk High</th>
      <th>52wk Low</th>
      <th>PE ratio</th>
</tr>
<tr bgcolor=#E5E4E2 align=center>
      <td align=left>Microsoft</td>
      <td>MSFT</td>
      <td>86-3/8</td>
      <td>119-15/16</td>
      <td>75-1/2</td>
      <td>56.09</td>
</tr>
<tr bgcolor=#FF7F50 align=center>
      <td align=left>Cisco Systems</td>
      <td>CSCO</td> <td>72-1/8</td>
      <td>82</td>
      <td>24-13/16</td>
      <td>400.69</td>
</tr>
<tr bgcolor=#5EFB6E align=center>
      <td align=left>America Online</td>
      <td>AOL</td>
      <td>63</td>
      <td>95-13/16</td>
      <td>38-15/32</td>
      <td>350.00</td>
</tr>
<tr bgcolor=yellow align=center>
      <td align=left>Qwest Communications</td>
      <td>Q</td>
      <td>44-7/16</td>
      <td>66</td>
      <td>25-3/4</td>
      <td>74.06</td>
</tr>
<tr bgcolor=skyblue align=center>
```
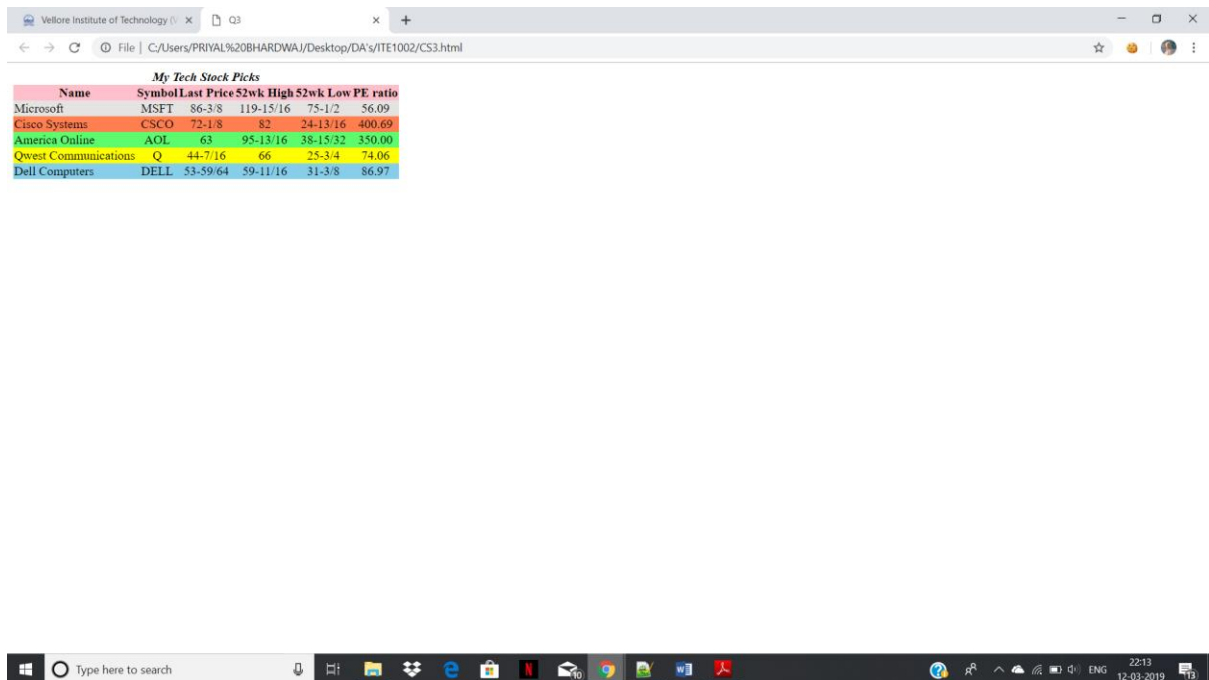
```
            <td align=left>Dell Computers</td>
            <td>DELL</td>
            <td>53-59/64</td>
            <td>59-11/16</td>
            <td>31-3/8</td>
            <td>86.97</td>
        </tr>
</table>
</body>
</html>
```

OUTPUT CODE:

Q.4

Write the HTML and CSS code necessary to recreate the following appearance onscreen, between but not including the thick black lines. (No manual line breaks have been inserted into the text.) Assume that the code you're writing will be placed inside the body of the page.

VADER

If you only knew the power of the dark side. Obi-Wan never told you what happened to your father.

LUKE

He told me enough! It was you who killed him.

VADER

No. I am your father.

LUKE

No. No. That's not true! That's impossible!

VADER

Search your feelings. You know it to be true.

Some details about the desired appearance:

i) All text uses default sizes and font families.

ii) The central section of dialogue is centered within the page and occupies 50% of the page width.

iii) The image of Vader at right comes from the file vader.png, which you should set to 20% of the page width.

iv) There are no margins or padding separating any text.

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q4</title>
<style>
mark{
        background-color:#fff;
        color:red;
}
</style>
</head>
<body>
<table align="center">
        <tr>
                <td width="50%">
```

```html
<h1 align="RIGHT">VADER</h1>
<p align="RIGHT">If you only knew the power of the dark side.
Obi-Wan never told  you<br> what happened to your father</p>
<h1 align="LEFT">LUKE</h1>
<p align="LEFT">He told me enough! It was you who killed
him.</p>
<h1 align="RIGHT">VADER</h1>
<p align="RIGHT">No. I am your father.</p>
<h1 align="LEFT">LUKE</h1>
<p align="LEFT">No. No. That's not true! <mark>That's
impossible!</mark></p>
<h1 align="RIGHT">VADER</h1>
<p align="RIGHT">Search your feelings. <b>You know it to be
true</b></p>
</td>
<td width="20%">
<img src="Vader.png">
</td>
</tr>
</table>
</body>
</html>
```
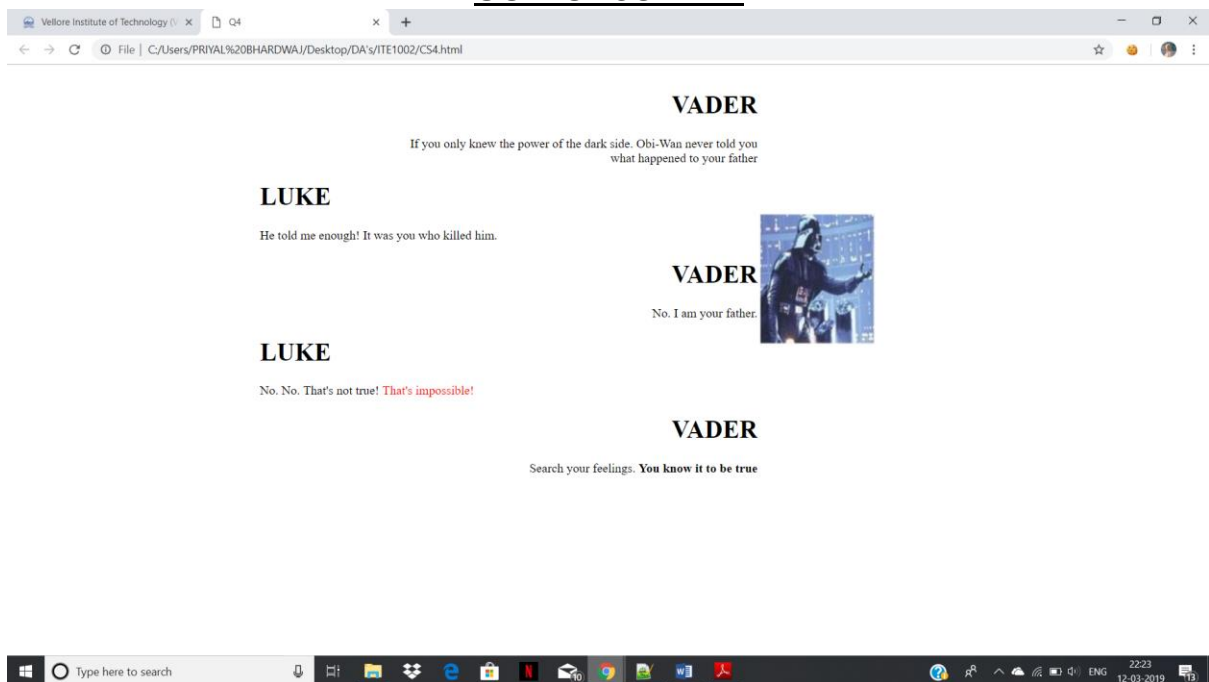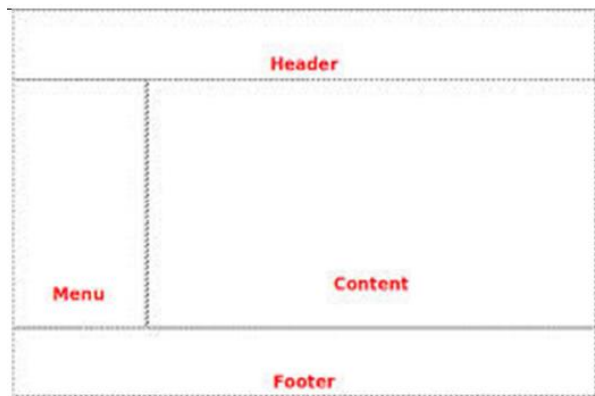
OUTPUT SCREEN:

Q.5

Think that you are the owner of a company named 'XYZ'. Your company has an opening Pizza Shop 2.0. Make an advertisement using HTML and CSS. Make the website more attractive with following layout.

Provide a navigation to access the following form:

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q5</title>
</head>
<body background="1.jpg">
<form action="www.youtube.com">
<table border="1">
    <tr>
        <th colspan="2">Pizza Shop 2.0</th>
    </tr>
    <tr>
        <td>Name</td>
        <td><input type="text" name="Name"/></td>
    </tr>
    <tr>
        <td>Pizza Topping</td>
        <td>
        <input type="radio" name="topping" /> Supreme<br/>
        <input type="radio" name="topping"/> Vegetarian<br/>
        <input type="radio" name="topping"/> Hawaiian<br/>
        </td>
    </tr>
    <tr>
```

```html
        <td>Pizza Sauce</td>

        <td><select><option>Tomato</option><option>Mayaonise</option><option>Marinara</ option></select></td>
    </tr>
    <tr>
        <td>Optional Extras</td>
        <td><input type="checkbox"/>Extra Cheese<input type="checkbox"/>Gluten Free Base</td>
    </tr>
    <tr>
        <td colspan="2">Delivery Instruction:</br>
        <textarea cols="55" rows="4">
        </textarea>
    </td>
    </tr>
    <tr>
        <td colspan="2">
        <input type="submit" value="Send My Order">
        <input type="reset" value="Reset Order">
        </td>
    </tr>
</table>
</body>
</html>
```

OUTPUT SCREEN:

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Q.1

A mail-order house sells five different products whose retail prices are as follows: product 1, $2.98; product 2, $4.50; product 3, $9.98; product 4, $4.49; and product 5, $6.87. Write a script that reads a series of pairs of numbers as follows:

1. Product number 2. Quantity sold for one day

Your program should use a switch statement to determine each product's retail price and should calculate and output HTML that displays the total retail value of all the products sold last week. Use a prompt dialog to obtain the product number and quantity from the user. Use a sentinel-controlled loop to determine when the program should stop looping and display the final results. If the user inputs an invalid product number a proper alert window shall be displayed.

HTML CODE:

```html
<!doctype html>
<html>
 <head>
 <meta charset="utf-8">
 <title>Q1</title>
 </head>
 <body>
 <script type="text/javascript">
      var ul=document.createElement("ul");
      var retp=0; //total retail price   var productp; //Products retail prices
      var price={Product1:0, Product2:0, Product3:0, Product4:0, Product5:0};
      function pprice(pp,pno){
      var q=prompt("Enter quantity");
      var p=Number(q)*pp;
      if(pno===1){
            price.Product1=p;
      }
      else if(pno===2){
            price.Product2=p;
      }
      else if(pno===3){
            price.Product3=p;
      }
      else if(pno===4){
            price.Product4=p;
      }
```

```javascript
        else if(pno===5){
                price.Product5=p;
        }
        }
        function pricedet(){
        document.body.appendChild(ul);
        var retailp=Object.entries(price);
        for(var [pno,pp] of retailp){
                var li=document.createElement("li");
                var values=document.createTextNode(pno+" = $"+pp);
                li.appendChild(values);
                ul.appendChild(li);
        }
        var values=Object.values(price);
        for(var val of values){
                retp+=val;
        }
        var li=document.createElement("li");
        var values=document.createTextNode("total retail value = $"+retp);
        li.appendChild(values);
        ul.appendChild(li);
        }
    outerloop:while(true){
        var productno=prompt("Enter Product Number:\n(Click 'Cancel' to show
result)");
                switch(productno){
                  case "1":
                        productp=2.98;
                        pprice(productp,1);
                        break;
                  case "2":
                        productp=4.50;
                            pprice(productp,2);
                         break;
                  case "3":
                         productp=9.98;
                         pprice(productp,3);
                         break;
                  case "4":
                         productp=4.49;
```
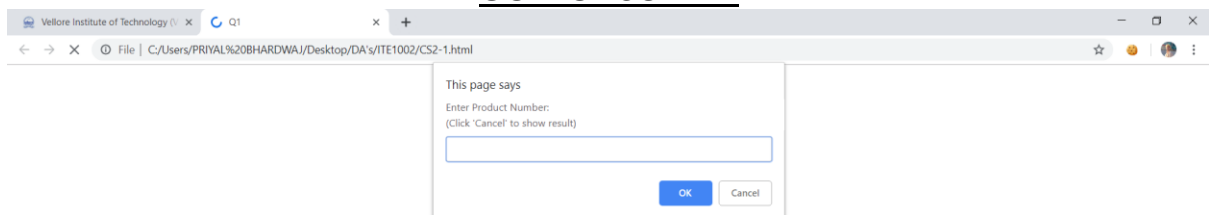
```
                    pprice(productp,4);
                    break;
            case "5":
                    productp=6.87;
                    pprice(productp,5);
                    break;
            default:
                    if(productno==null){
                       break outerloop;
                    }
                    else{
                       alert("please Enter valid Product no")
                    }
            }
    }
}
pricedet();
// var par=document.createElement("h1");
// var child=document.createTextNode(price.x);
// par.appendChild(child);
// HTMLBodyElement.appendChild(par);
</script>
</body>
</html>
```
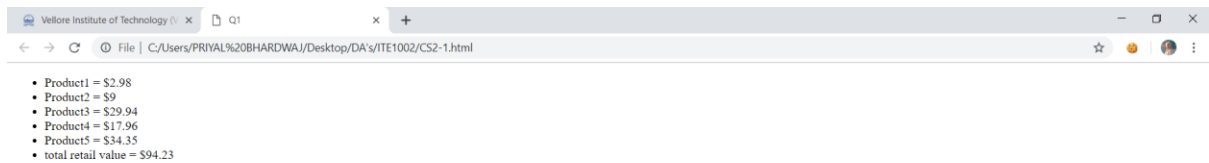
OUTPUT SCREEN

- Product1 = $2.98
- Product2 = $9
- Product3 = $29.94
- Product4 = $17.96
- Product5 = $34.35
- total retail value = $94.23

Q.2

Create a web page containing three divisions.

i) The first division displays a digital clock on the rightmost end.

ii) The width of the first division is 100%. The second division and third division lay side by side.

iii) The second division has an image slider and third division has a color picker and two list box having font-family and size and a button. When a button is clicked the background color, font and font size should change for a whole page. Use JavaScript to implement the above.

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q2</title>
<style>
body{
    font-family:fantasy;
    font-size:100px;
}
#clock{
        width:100%;
```

```css
        height:350px;
        background-color:#43C6DB;
}
#imageslide{}
#div3{
        width:50%;
        height:300px;
        float:left;
}
#clockcontainer{
        position: relative;
        top:50px;
        width:500px;
        margin:0 auto;
        height:150px;
    background-color:rgba(255, 99, 71, 0.5);
        border-radius:1000px;
        border:10px #FFF inset;
}
#time{
    position: relative;
        top:20px;
        left:90px;
        font-size:100px;
        font-family:sans-serif;
        color:#fff;
}
#cpicker{
        width:100px;
        height:30px;
}
h1{
    color:white;
        position: relative;
        left:550px;
        font-size: 70px;
        margin:0;
        top:10px;
}
td{
```

```css
			height:40px;
			font-size: 25px;
			padding: 10px;
			font-family: monospace;
}
.showSlide{
	display: none
}
.showSlide img{
	width: 70%;
			height: 300px;
			background-color: aqua;
}
.slidercontainer{
			width:50%;
			height:300px;
			float:left;
	position: relative;
}
.left, .right{
	cursor: pointer;
			position: absolute;
			top: 50%;
			width: auto;
			padding: 16px;
			margin-top: -22px;
			color: white;
			font-weight: bold;
			font-size: 18px;
			transition: 0.6s ease;
			border-radius: 0 3px 3px 0;
}
.right{
	right: 0;
			border-radius: 3px 0 0 3px;
}
.left:hover, .right:hover{
			background-color: rgba(115, 115, 115, 0.8);
}
.active {
```

```css
}
/* Fading animation */
.fade {
    -webkit-animation-name: fade;
        -webkit-animation-duration: 1.5s;
        animation-name: fade;
    animation-duration: 1.5s;
}
@-webkit-keyframes fade {
    from{
                opacity: .4
    }
        to{
                opacity: 1
    }
}
@keyframes fade{
        from{
                opacity: .4
    }
        to{
                opacity: 1
    }
}
```
```html
</style>
<script>
```
```javascript
function changeprop(){
        var color=document.getElementById("cpicker").value;
        var fontfam=document.getElementById("fontfamily");
        var fontfamval=fontfam.options[fontfam.selectedIndex].value;
        var fontsize=document.forms[0].elements["fontsize"];
        var fontsizeval=fontsize.options[fontsize.selectedIndex].value;
        document.getElementById("div3").style.backgroundColor=color;
        document.getElementById("clock").style.backgroundColor=color;
        document.getElementById("imageslide").style.backgroundColor=color;
        document.getElementById("fontfam").style.fontFamily=fontfamval;
        document.getElementById("fontfam2").style.fontFamily=fontfamval;
        document.getElementById("fontfam3").style.fontFamily=fontfamval;
        document.getElementById("fontfam4").style.fontFamily=fontfamval;
        document.getElementById("fontfam").style.fontSize=fontsizeval+"px";
```

```
            document.getElementById("fontfam2").style.fontSize=fontsizeval+"px";
            document.getElementById("fontfam3").style.fontSize=fontsizeval+"px";
            document.getElementById("fontfam4").style.fontSize=fontsizeval+"px";
}
function digitalclock(){
        var date=new Date();
        var hour=date.getHours();
        var minute=date.getMinutes();
        var seconds=date.getSeconds();
        var m=checkTime(minute);
        var ss=checkTime(seconds);
        var time=hour+":"+m+":"+ss;
        var t=setTimeout(digitalclock,1000);
        document.getElementById("time").innerHTML=time;
}
function checkTime(i){
        if (i < 10) {i = "0" + i};  // add zero in front of numbers < 10
        return i;
}
var slide_index = 1;
displaySlides(slide_index);
function nextSlide(n) {
    displaySlides(slide_index += n);
}
function currentSlide(n) {
    displaySlides(slide_index = n);
}
function displaySlides(n) {
    var i;
        var slides = document.getElementsByClassName("showSlide");
        if (n > slides.length) { slide_index = 1 }            if (n < 1) { slide_index =
slides.length }             for (i = 0; i < slides.length; i++) {
                slides[i].style.display = "none";
        }
        slides[slide_index - 1].style.display = "block";
}
</script>
</head>
<body onload="digitalclock()">
    <div id="clock">
```

```html
<h1 id="fontfam4">DIGITAL CLOCK</h1>
        <div id="clockcontainer">
<span id="time"></span>
</div>
</div>
<div class="slidercontainer" id="imageslide">
  <div class="showSlide fade" >
    <img src="img1.jpg" />
  </div>
  <div class="showSlide fade">
    <img src="img2.jpg"/>
  </div>
  <div class="showSlide fade">
    <img src="img1.jpg"/>
  </div>
  <div class="showSlide fade">
    <img src="img2.jpg"/>
  </div>
  <!-- Navigation arrows -->
  <a class="left" onclick="nextSlide(-1)">left</a>
  <a class="right" onclick="nextSlide(1)"> right</a>
</div>
<div id="div3">
<form id="prop">
<table>
  <tr>
              <td id="fontfam">Color picker</td>
    <td> <input id="cpicker" type="color"/></td>
          </tr>
  <tr>
              <td id="fontfam2">Font-family</td>
    <td> <select id="fontfamily">
                  <option value="monospace">monospace</option>
                  <option value="serif">serif</option>
                  <option value="sans-serif">sans-serif</option>
                  <option value="cursive">cursive</option>
                  <option value="fantasy">fantasy</option>
              </select></td>
          </tr>
  <tr>
```
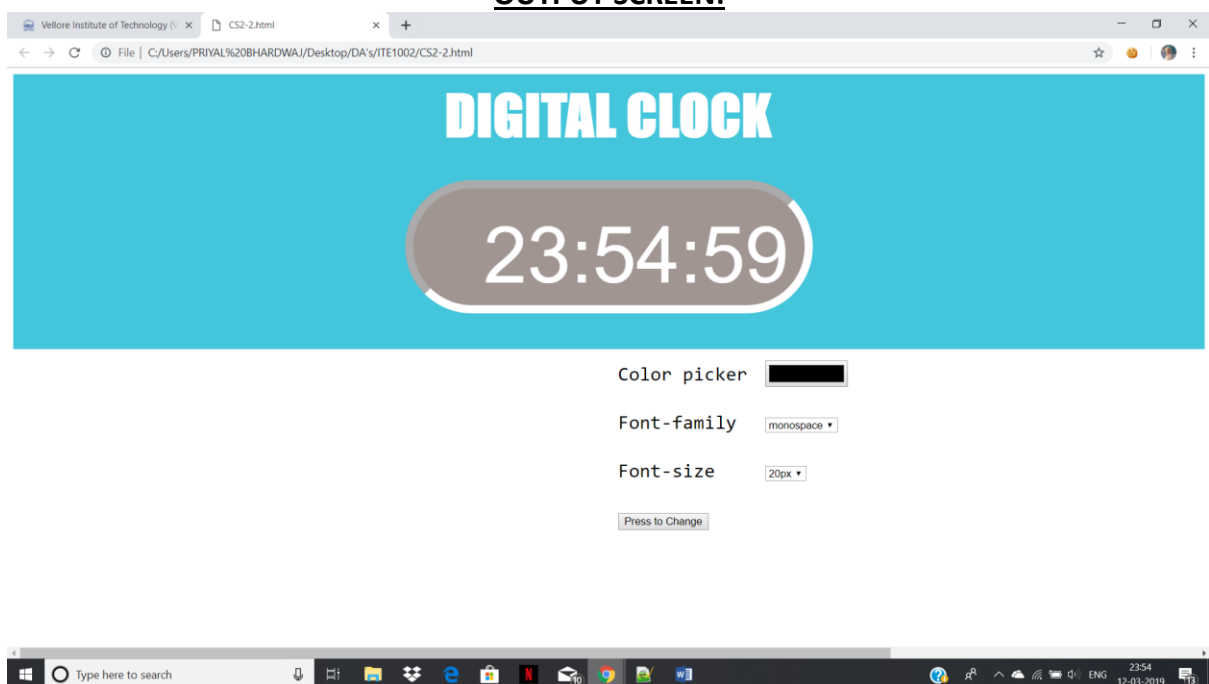
```html
            <td id="fontfam3">Font-size</td>
    <td><select id="fontsize">
                <option value="20">20px</option>
                <option value="50">50px</option>
                <option value="70">70px</option>
                <option value="90">90px</option>
            </select></td>
        </tr>
    <tr>
                <td colspan="2"><input type="button"
onclick="changeprop()" value="Change"></td>
        </tr>
   </table>
      </form>
      </div>
</body>
</html>
```
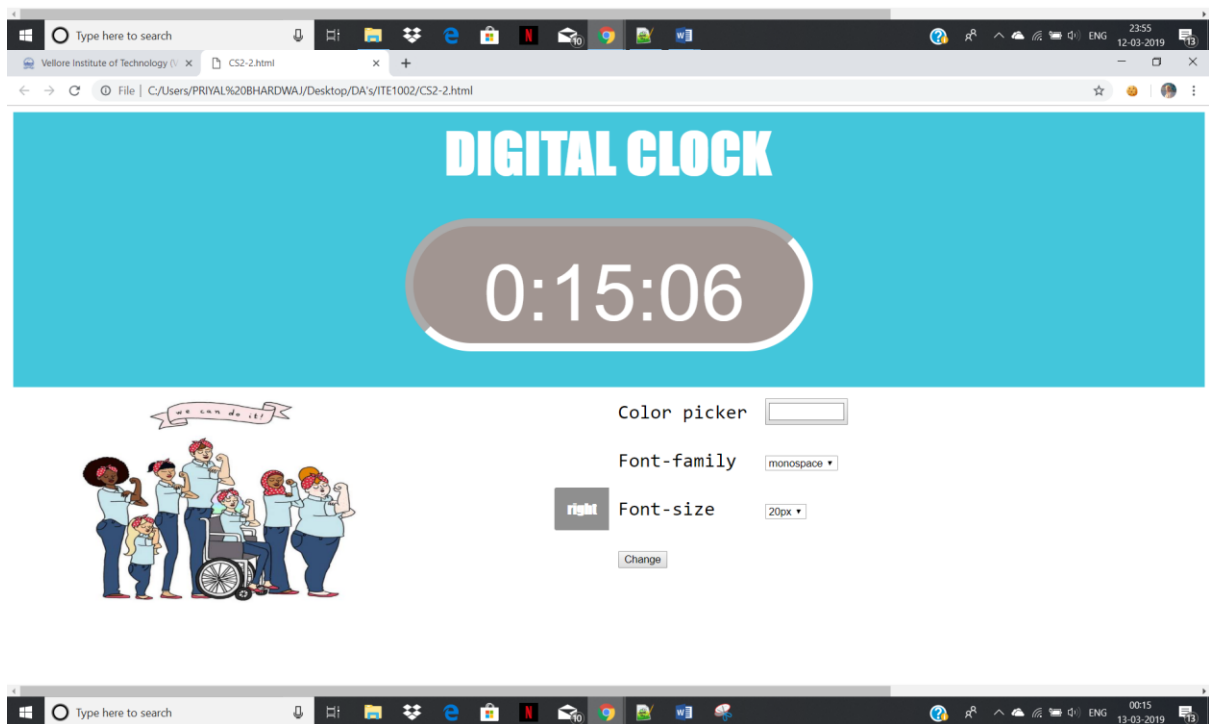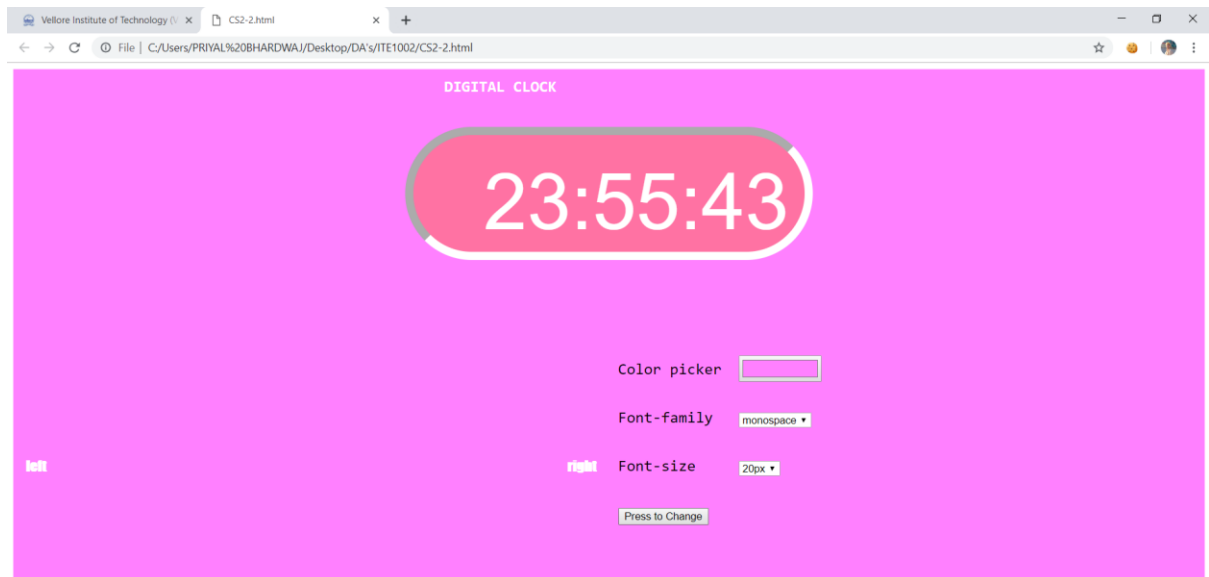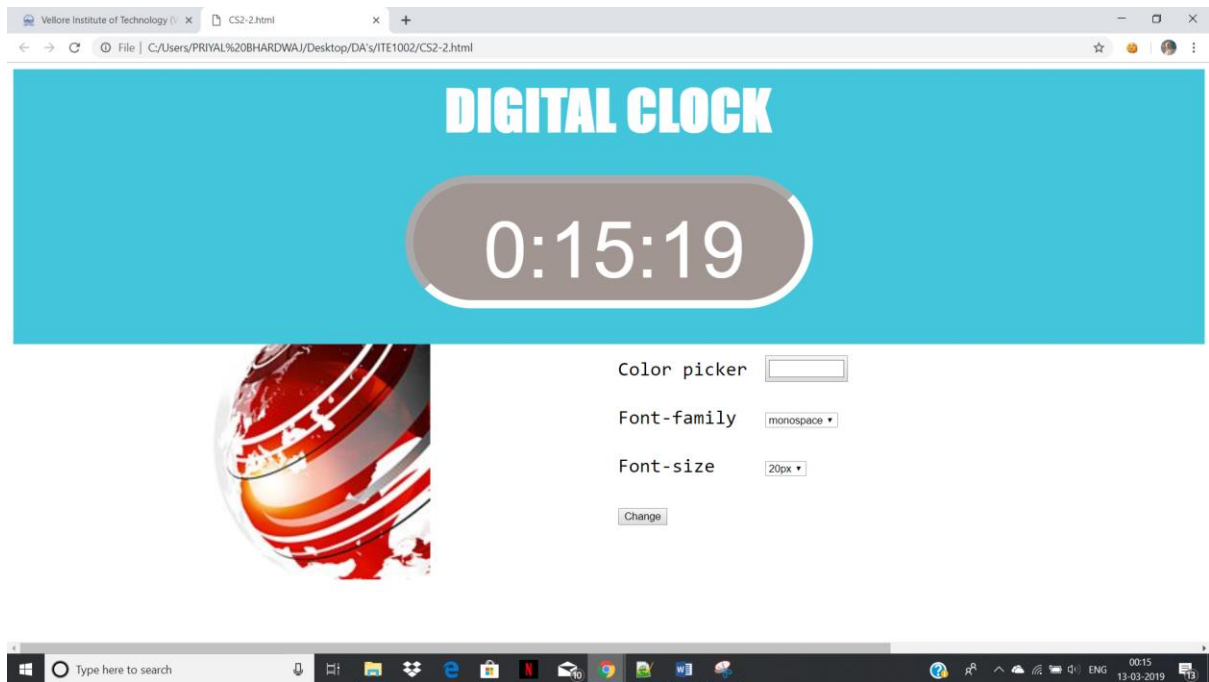
OUTPUT SCREEN:

Q.3

Design a student registration form which takes student name, register number, DOB, program, email id, temporary address, permanent address, phone number. Validate the following using JavaScript:

i) Mobile number should be exactly 10 digits.

ii) Register number should have alphabets and numbers only

iii) Name should not exceed 30 characters and can be only alphabets.

iv) Email validation

v) Provide a checkbox saying "Permanent address is same as temporary address". If checked, the value of permanent address should be added automatically from temp address. And should be in disabled mode.

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Q3</title>
<script type="text/javascript">
function validate(){
    var formm=document.getElementById("registration");
    var name=formm.name.value;
        var registerno=formm.registerno.value;
```

```javascript
        var dob=formm.date.value;
        var program=formm.program.value;
        var emailid=formm.emailid.value;
        var tempadd=formm.tempadd.value;
        var peradd=formm.peradd;
        var phoneno=formm.phoneno.value;
        var check=formm.pemadd;
        if(name==""|| name.length>30){
                alert("invalid name");
    return false;
}
        if(tempadd==""){
                alert("please provide temporary address");
                return false;
}
 if(check.checked==true){
                peradd.value=tempadd;
}
        if( /[^a-zA-Z0-9]/.test( registerno) || registerno=="" ) {
                alert('Invalid Register no');
                return false;
}
if(dob==""){
                alert("Please provide DOB");
                return false;
        }
var atpos = emailid.indexOf("@");
        var dotpos = emailid.lastIndexOf(".");
        if (atpos<1 || dotpos<atpos+2 || dotpos+2>=emailid.length) {
                alert("Not a valid e-mail address");
    return false;
}
if(program==""){
                alert("Program Field cannot be empty");
                return false;
}
if(phoneno.length!=10 || isNaN(phoneno)){
                alert("Phone number is invalid");
                return false;
}
```

```html
        }
</script>
<style>
table{
        border:2px solid black;
        border-collapse: collapse;
}
td{
        border: 2px solid black;
        padding: 5px;
}
</style>
</head>
<body>
<form id="registration">
   <h1>Student registartion form</h1>
   <table>
     <tr>
                   <td>Student name</td>
       <td><input type="text" name="name"></td>
     </tr>
     <tr>
                   <td>Register no</td>
       <td><input type="text" name="registerno"></td>
     </tr>
     <tr>
                   <td>DOB</td>
       <td><input type="Date" name="date"></td>
     </tr>
     <tr>
                   <td>Program</td>
       <td><input type="text" name="program"></td>
     </tr>
     <tr>
                   <td>Email-id</td>
       <td><input type="text" name="emailid"></td>
     </tr>
     <tr>
                   <td>Temporary Address</td>
       <td><textarea rows="5" cols="20" name="tempadd"></textarea><br>
```
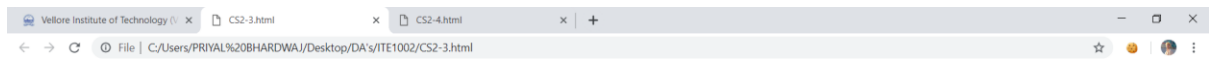
```html
        <input type="checkbox" name="pemadd" >Same Permanent Adrress
        </td>
     </tr>
     <tr>
                <td>Permanent Address</td>
        <td><textarea rows="5" cols="20" name="peradd"></textarea></td>
     </tr>
     <tr>
                <td>Phone number</td>
        <td><input type="number" name="phoneno"></td>
     </tr>
     <tr>
                <td colspan="2"><input type="button"  value="Submit"
onclick="return validate();"/></td>
     </tr>
       </table>
</form>
</body>
</html>
```

OUTPUT SCREEN:

Student registartion form

Student name	
Register no	
DOB	dd - mm - yyyy
Program	
Email-id	
Temporary Address	
	☐ Same Permanent Adrress
Permanent Address	
Phone number	
Submit	

Q.4

BSNL has designed a grievance registration form in HTML with name of customer, address, telecom circle, email and grievance nature in a list box containing huge bills for limited mobile usage, roaming charges and frequent service disruption and a submit button. Write a Javascript DOM event to be enabled when the user submits the form and display the complaint details in a tabular format. If no grievance is selected, then invoke another DOM event to display "No grievances".

HTML CODE:

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
<title>Q4</title>
<style>
#ftable{
border: 2px solid black;
border-collapse: collapse;
margin:0 auto;
width:400px;
}
td{
border: 1px solid black;
padding:8px;
```

```html
}
.addr{
width: 200px;
}
#table2{
border: 2px solid black;
border-collapse: collapse;
margin:20px auto;
width:400px;
}
th{
border: 1px solid black;
padding:8px;
}
</style>
</head>
<body>
<form id="bsnl" action="">
<table id="ftable">
   <tr>
            <td>Name of customer</td>
     <td> <input type="text" class="addr" name="name" required></td>
       </tr>
       <tr>
            <td>Address</td>
            <td><textarea rows="10" cols="20" class="addr" name="address"
placeholder="Your address"></textarea></td>
   </tr>
       <tr>
            <td>Telecom circle</td>
     <td> <input type="text" class="addr"  name="telcircle"></td>
       </tr>
       <tr>
            <td>Email</td>
     <td> <input type="email" class="addr"  name="telcircle"></td>
       </tr>
   <tr>
            <td>Choose Complaint</td>
     <td><select class="addr" name="grievances">
     <option value="no Grievances" selected>No complaint</option>
```

```html
        <option value="Huge Bills for Limited Usage">Huge Bills for Limited Usage</option>
                <option value="roaming charges">Roaming charges</option>
        <option value="frequent service disruption">Frequent service disruption</option>
    </select></td>
      </tr>
      <tr>
                <td colspan="2"><input type="button" value="Submit" onclick="details()"></td>
        </tr>
</table>
</form>
<table id="table2">
        <tr>
                <th>Name of customer</th>
                <th>Address of customer</th>
                <th>Telecom circle of customer</th>
                <th>Email</th>
                <th>Grievances</th>
                </tr>
        <tr>
                <td id="nme"></td>
                <td id="add"></td>
                <td  id="telcir"></td>
                <td id="email"></td>
                <td id="griv"></td>
        </tr>
</table>
<script type="text/javascript">
//  function displaydet(){
// var name=document.getElementById("bsnl").elements[0].value;
// console.log(name)
function details(){
        var cform=document.getElementById("bsnl");
        var name=cform.elements[0].value;
        var address=cform.elements[1].value;
        var telecomcircle=cform.elements[2].value;
        var email=cform.elements[3].value;
        var dlist=cform.elements["grievances"];
```

```
        if(dlist.selectedIndex==0){
                alert("No grievances selected");
        }
        else{

                document.getElementById("nme").innerHTML=name;
                document.getElementById("add").innerHTML=address;
                document.getElementById("telcir").innerHTML=telecomcircle;
                document.getElementById("email").innerHTML=email;

                document.getElementById("griv").innerHTML=dlist.options[dlist.selecte
dIndex].value;
        }
}
</script>
</body>
</html>
```

OUTPUT SCREEN:

Q.5

Develop an online Railway Reservation application.

i) It has top frame with the name "Online Railway Reservation System" in the middle, there is a logo/image in the left corner using suitable CSS styles and the left frame with the links for Ticket booking and availability checking; for each link the target should be the right frame.

ii) Create a Ticket Booking form which should have From and To in a text box, Train Names in a drop down box, Coach Number in a list box, Date in a date field, Timing in a text box, Passengers Male and female in a dropdown menu showing the count number and Submit and Reset button.

iii) Assume availability of tickets already declared in the script. Create a DOM event to display the ticket confirmation details on any HTML element when ticket is available otherwise display "tickets not available" by invoking any other DOM event.

HTML CODE:

Home Page CODE:

```
<!doctype html>
<html>
<head>
<meta charset="UTF-8">
```

```html
<title>Q5(a)</title>
<style>
img{
        position: relative;
        top:;
        left:700px;;
}
h1{
        text-align: center;
}
#frame2{
        margin-left: 40px;
        float:right;
        vertical-align: top;
}
#frames{
        margin: 10px;
}
#links{
        float:left;
        border:2px solid black;
        height:400px;
        width:600px;
}
li{
        margin:30px;
}
</style>
</head>
<body>
  <div>
                <h1>Online Railway Reservation System</h1>
                <img src="irctc.png" align="center" height="350" width="350">
  </div>
  <div id="frames">
  <div id="links">
        <ul>
                <li><a href="CS2-5b.html" target="booking">BOOK
TICKETS</a></li>
```

```
            <li><a href="CS2-5c.html" target="booking">Check PNR
status</a></li>
            <li><a href="CS2-5d.html" target="booking">CANCEL
TICKETS</a></li>
        </ul>
        </div>
    <iframe width="50%" id="frame2" height="400px"
name="booking"></iframe>
    </div>
</body>
</html>
```
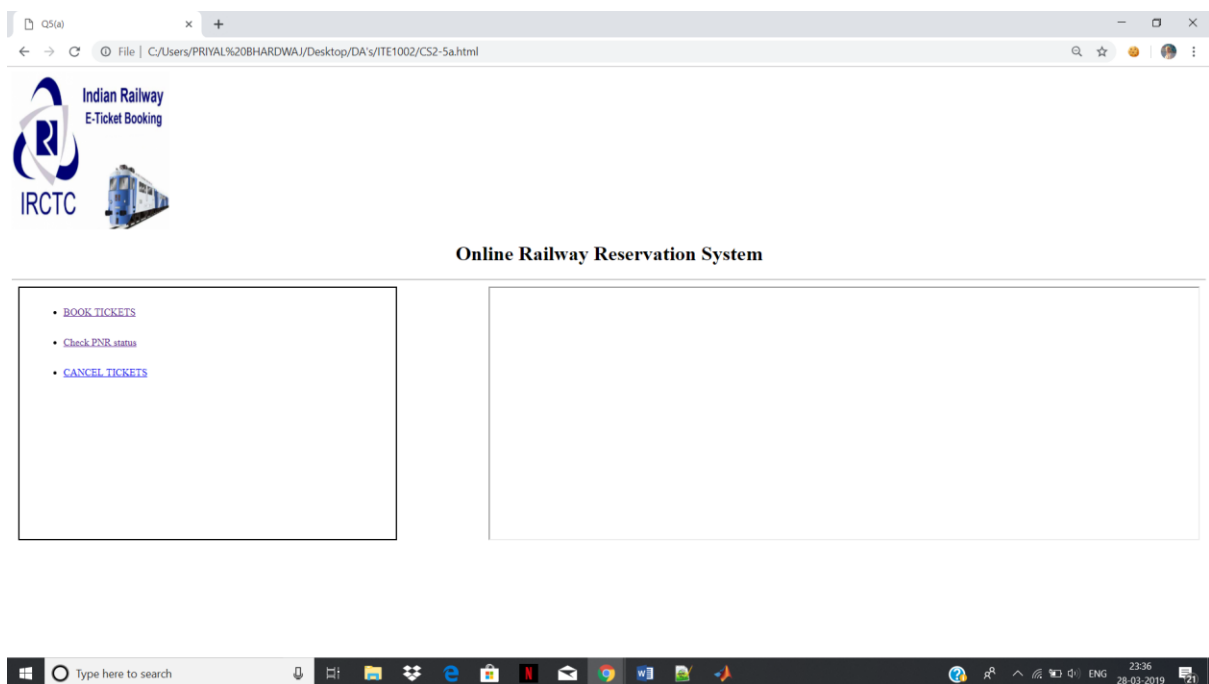
Home Page SCREEN:

Ticket Booking Form CODE:

CS2-5b.html

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q5-(b)</title>
<style>
table{
```

```
        border: 3px solid black;
        border-collapse: collapse;
        width:500px;
        height: 350px;
}
td{
        border: 2px solid black;
        padding:5 px;
}
</style>
<script type="text/javascript">
function showdetails(){
        var train = document.getElementById("s");
        var trnm = train.options[train.selectedIndex].value;
        if(trnm==1){
                alert("Booking Number: 01234");}
        else if(trnm==2){
                dalert("Booking Number: 12345");}
        else if(trnm==3){
                alert("Booking Number: 23456");}
        else{
                alert("Booking Number: 34567");}
}
</script>
</head>
 <body>
  <div>
   <form>
    <table>
      <tr>
       <td>From</td>
       <td><input type="text" name="from"></td>
       </tr>
       <tr>
       <td>To</td>
       <td><input type="text" name="to"></td>
       </tr>
       <tr>
                        <td>Train names</td>
                        <td><select name="trainname" id="s">
```

```html
        <option value=1>Shatabdi Express</option>
        <option value=2>Chennai Express</option>
        <option value=3>Rajdhani</option>
        <option value=4>Lokmanya Tilak</option>
        </select></td>
    </tr>
    <tr>
                    <td>Class</td>
                    <td><select name="class"><option
value="3A">3A</option>
        <option value="2A">2A</option>
        <option value="1A">1A</option>
        <option value="Sleeper">Sleeper</option></select></td>
    </tr>
            <tr>
                    <td>Date Of Journey</td>
                    <td><input type="Date" name="date"></td>
            </tr>
    <tr>
                    <td>Time of Journey</td>
                    <td><input type="time" name="time"></td>
            </tr>
    <tr>
                    <td>Gender</td>
                    <td><select name="gender"><option
value="Male">Male</option><option
value="Female">Female</option></select></td>
            </tr>
            <tr>
                    <td><button
onclick="showdetails();">Submit</button></td>
                    <td><input type="reset" value="reset"></td>
    </tr>
  </table>
  </form>
 </div>
</body>
</html>
```

Ticket Booking Form SCREEN:

PNR Status CODE:

CS2-5c.html

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q5-(c)</title>
```
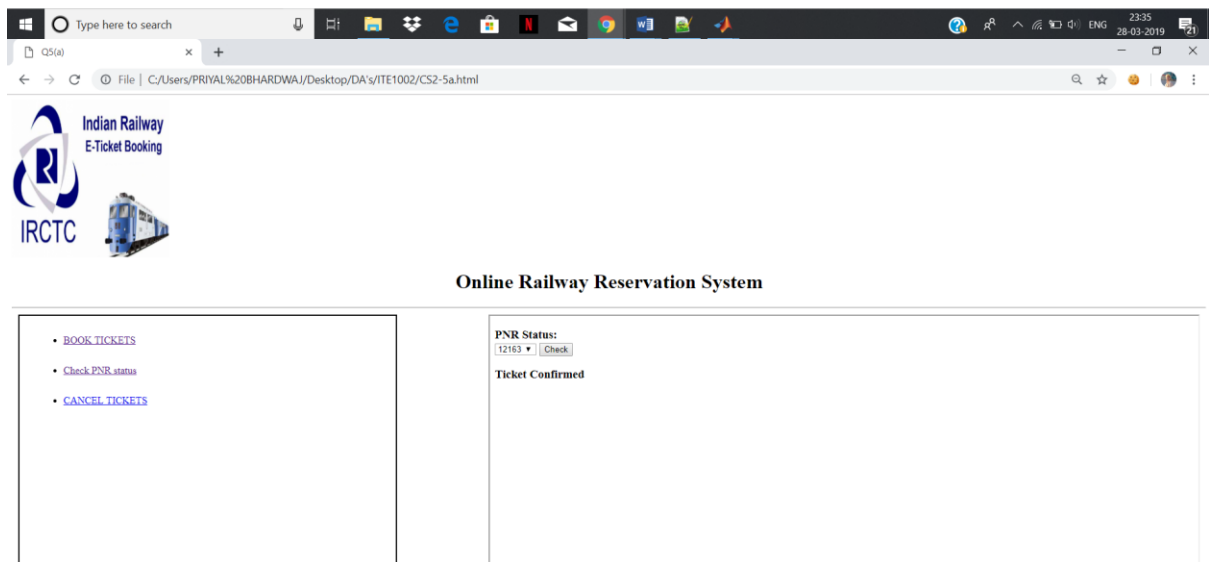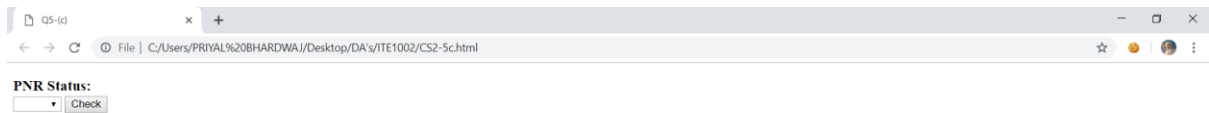
```html
<style>
td{
	border: 2px solid black;
	padding: 10px;
}
</style>
<script type="text/javascript">
	function PNR(){
		var pnr = document.getElementById("s");
		var pnrnum = pnr.options[pnr.selectedIndex].text;
		if(pnrnum==12020){document.getElementById("p").innerHTML =
"Ticket Not Available";}
		else
if(pnrnum==12163){document.getElementById("p").innerHTML = "Ticket
Confirmed";}
		else
if(pnrnum==12431){document.getElementById("p").innerHTML = "Ticket Not
Available";}
		else{document.getElementById("p").innerHTML = "Ticket
Confirmed";}
	}
</script>
</head>
<body>
<h3>PNR Status:
<div id="PNR">
  <select name="pnrstatus" id="s">
		<option></option>
		<option>12020</option>
		<option>12163</option>
		<option>12431</option>
		<option>11014</option>
	</select>
	<button onclick="PNR();">Check</button>
</div>
<p id="p"></p>
</body>
</html>
```

PNR Status SCREEN:

PNR Status:
[▾] [Check]

Indian Railway
E-Ticket Booking

IRCTC

Online Railway Reservation System

- BOOK TICKETS
- Check PNR status
- CANCEL TICKETS

PNR Status:
[12163 ▾] [Check]

Ticket Confirmed

Cancellation SCREEN:

CS2-5d.html

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q5-(d)</title>
<script type="text/javascript">
```

```
        function cantic(){
                var book = document.getElementById("s");
                var booknum = book.options[book.selectedIndex].text;
                if(booknum==01234 || booknum==12345 || booknum==23456 ||
booknum==34567){
                        alert("Are you sure about cancelling the ticket?");
                        document.getElementById("p").innerHTML = "Ticket
Cancelled";
                }
                else{
                        alert("Enter Valid Booking Number");
                }
        }
</script>
</head>
<body>
<h3>Enter Booking Number:
        <select id="s">
                <option></option>
                <option>01234</option>
                <option>12345</option>
                <option>23456</option>
                <option>34567</option>
        </select>
<button onclick="cantic();">Cancel</button>
<p id="p"></p>
</body>
</html>
```

Cancellation SCREEN:

Enter Booking Number: [▼] [Cancel]

Indian Railway
E-Ticket Booking

IRCTC

Online Railway Reservation System

- BOOK TICKETS

- Check PNR status

- CANCEL TICKETS

Enter Booking Number: [23456 ▼] [Cancel]

Ticket Cancelled

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology and Engineering
Cycle Sheet - III, MARCH 2019
B.Tech, Winter-2018-2019

NAME	PRIYAL BHARDWAJ
REG. NO.	18BIT0272
COURSE CODE	ITE1002
COURSE NAME	WEB TECHNOLOGIES
SLOT	L-11+L-12
FACULTY	Prof. MARY MEKALA

Q.1

i) Design a table in the format given below using HTML and jquery selectors.

ii) Apply different background for odd and even rows of the table.

iii) Apply different CSS for table header using jquery selectors.

First Name	Last Name	City	State
Mannix	Bolton	Merizo	Michigan
Suki	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Portia	Burns	Princeton	Rhode Island
Dacey	Young	Covina	South Carolina
Clark	Reyes	Grand Rapids	New Jersey
Maris	Decker	Sierra Madre	Georgia

HTML CODE:

```html
<!doctype html>
<html>
<head>
<meta charset="utf-8">
<title>Q1</title>
<script src="jquery-3.3.1.min.js"></script>
<script>
	$(document).ready(function(){
		$("tr:odd").css("background-color","#848482");
			$("tr:odd").css("color","white");
		}
	);
</script>
</head>
<body>
<table border="2px" bordercolor="transparent" width="100%" height="50%">
	<tr align='center'>
		<th>First Name</th>
		<th>Last Name</th>
		<th colspan="2">City</th>
		<th colspan="2">State</th>
	</tr>
	<tr>
		<td>Mannix</td>
		<td>Bolton</td>
```

```html
            <td colspan="2">Merizo</td>
            <td colspan="2">Michigan</td>
        </tr>
        <tr>
            <td>Suki</td>
            <td>King</td>
            <td colspan="2">Fairmont</td>
            <td colspan="2">Oklahoma</td>
        </tr>
        <tr>
            <td>Shelby</td>
            <td>English</td>
            <td colspan="2">Durham</td>
            <td colspan="2">Arkansas</td>
        </tr>
        <tr>
            <td>Portia</td>
            <td>Burns</td>
            <td colspan="2">Princeton</td>
            <td colspan="2">Rhode Island</td>
        </tr>
        <tr>
            <td>Dacey</td>
            <td>Young</td>
            <td colspan="2">Covina</td>
            <td colspan="2">South Carolina</td>
        </tr>
        <tr>
            <td>Portia</td>
            <td>Burns</td>
            <td colspan="2">Princeton</td>
            <td colspan="2">Rhode Island</td>
        </tr>
        <tr>
            <td>Suki</td>
            <td>King</td>
            <td colspan="2">Fairmont</td>
            <td colspan="2">Oklahoma</td>
        </tr>
    </table>
```
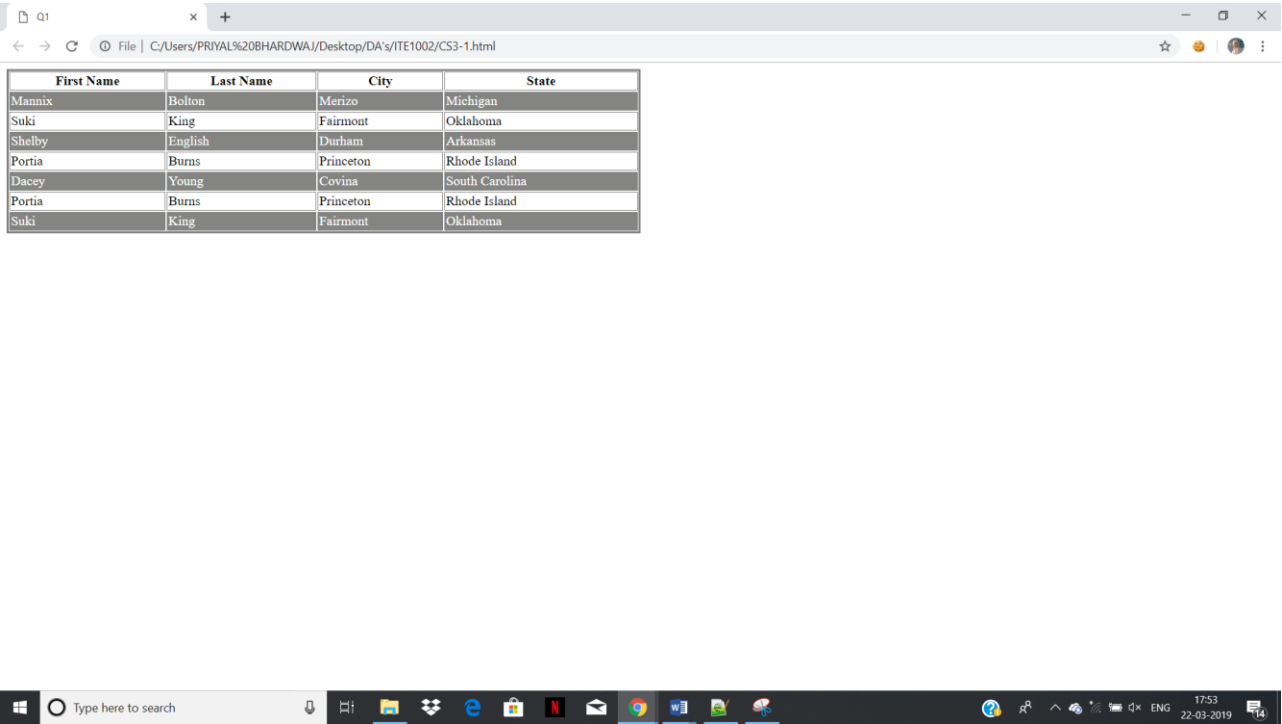
```
</body>
</html>
```

OUTPUT SCREEN:
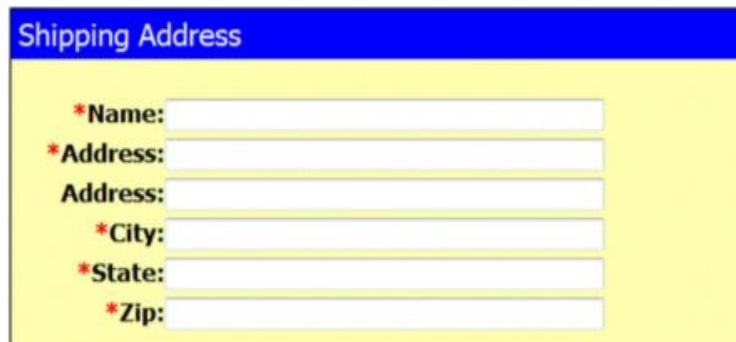
First Name	Last Name	City	State
Mannix	Bolton	Merizo	Michigan
Suki	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Portia	Burns	Princeton	Rhode Island
Dacey	Young	Covina	South Carolina
Portia	Burns	Princeton	Rhode Island
Suki	King	Fairmont	Oklahoma

Q.2

Angular JS

i) Create a shipping address form using html in the format given below.

ii) Write an angular script that will be invoked when form is validated successfully.

iii) Display the status messages using angular directives and angular class values for all form elements.

* Required

Shipping Address	
*Name:	
*Address:	
Address:	
*City:	
*State:	
*Zip:	

Note: If the required fields are not filled with data, an alert should be thrown.

HTML CODE:

```html
<html>
<head>
      <meta charset="utf-8">
      <title>Q2</title>
      <script src="angular.min.js"></script>
      <style>
      div{
            border: 1px solid blue;
      }
      input.ng-invalid
      {
            background-color:red;
      }
      input.ng-valid
      {
            background-color:lightgreen;
      }
      </style>
</head>
<body ng-app="">
      <form name="myform">
```

```html
<div style="width:30.55%;background-color:blue;color:white;height:4%"><b>Shipping Address</b></div>
<div style="width:30%;background-color:#FFE5B4;padding:4px">
<p>
&nbsp&nbsp&nbsp&nbsp<font color="red">*</font><b>Name</b>:<input type="text" name="myname" ng-model="myname" ng-pattern="/^[a-zA-Z ]{3,30}$/" required>
<span style="color:red" ng-show="myform.myname.$touched && myform.myname.$error.required">The name is required.</span>
</p>
<p>
<font color="red">*</font><b>Address</b>:<input type="text" name="myAddress" ng-model="myAddress" ngminlength="10" ng-maxlength="30" ng-required="true">
<span style="color:red" ng-show="myform.myAddress.$touched && myform.myAddress.$error.required">The address is required.</span>
</p>
<p>
&nbsp&nbsp<b>Address</b>:<input type="text" name="myaddress" ng-model="myaddress" ngminlength="10" ng-maxlength="30">&nbsp <font color="black" size="2"><strong>(optional)</strong></font>
</p>
<p>
&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<font color="red">*</font><b>City</b>:<input type="text" name="mycity" ng-model="mycity" ng-pattern="/^[a-zA-Z]{3,30}$/" required>
<span style="color:red" ng-show="myform.mycity.$touched && myform.mycity.$error.required">The city name is required.</span>
</p>
<p>
&nbsp&nbsp&nbsp&nbsp&nbsp<font color="red">*</font><b>State</b>:<input type="text" name="mystate" ng-model="mystate" ng-pattern="/^[a-zA-Z]{6,30}$/" required>
<span style="color:red" ng-show="myform.mystate.$touched && myform.mystate.$error.required">The state name is required.</span>
</p>
<p>
&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp&nbsp<font color="red">*</font><b>Zip</b>:<input type="text" name="myzip" ng-model="myzip" ng-pattern="/^[0-9]{6}$/" required>
```

```
        <span style="color:red" ng-show="myform.myzip.$touched &&
myform.myzip.$error.required">The zip is required.</span>
        </p>
        </div>
        <input type="submit">
        </form>
        <h5>Name:{{myform.myname.$valid}}</h5>
        <h5>Address:{{myform.myAddress.$valid}}</h5>
        <h5>Address:{{myform.myaddress.$valid}}</h5>
        <h5>City:{{myform.mycity.$valid}}</h5>
        <h5>State:{{myform.mystate.$valid}}</h5>
        <h5>Zip:{{myform.myzip.$valid}}</h5>
</body>
</html>
```

OUTPUT SCREEN:

Shipping Address

   *Name: Priyal Bhardwaj

*Address: 3A/5/9

Address: [   ] (optional)

*City: Bhilai

*State: Chhattisgarh

*Zip: 490009

Submit

Name:true

Address:true

Address:true

City:true

State:true

Zip:true

Q.3

i) Create an angular shopping application to buy books and remove if not required.

ii) If the user enters a book in the text box and clicks addbook button, the book is added and if the user clicks on cross symbol next to each book given in the picture below, the book is removed from the list.

iii) If the book is selected twice, display an appropriate error message. Use angular animations to add and remove items.

Books

Web Technologies   X

Operating System   X

Database systems   X

Computer Architecture   X

[   ] ADD BOOK

HTML CODE:

```
<!doctype html>
<html>
	<head>
		<meta charset="utf-8">
		<title>Q3</title>
		<script src="angular.min.js"></script>
```

```
            <link rel="stylesheet"
href="https://www.w3schools.com/w3css/4/w3.css">
      </head>
      <body ng-app="myShoppingList" ng-controller="myCtrl">
            <script>
                  var app = angular.module("myShoppingList", []);
                  app.controller("myCtrl", function($scope) {
                  $scope.products = ["Web Technologies","Operating
Systems","Database Systems","Computer Architecture"];
                  $scope.addItem = function(){
                  $scope.errortext = "";
                  if(!$scope.addMe){
                    return;
                  }
                  if($scope.products.indexOf($scope.addMe) == -1){
                    $scope.products.push($scope.addMe);
                  }
                  else {
                    $scope.errortext = "The item is already in your shopping
list.";
                  }
                  }
                  $scope.removeItem = function(x){
                    $scope.errortext ="";
                    $scope.products.splice(x, 1);
                  }
                  });
            </script>
            <div ng-app="myShoppingList" ng-cloak ngcontroller="myCtrl"
class="w3-card-2 w3-margin" style="maxwidth:400px;">
                  <header class="w3-container w3-light-grey w3-padding-16">
                        <h3>Books</h3>
                  </header>
                  <ul class="w3-ul">
                        <li ng-repeat="x in products" class="w3-
padding16">{{x}}
                              <span ng-click="removeItem($index)"
style="cursor:pointer;" class="w3-right w3-marginright">×</span>
                        </li>
                  </ul>
                  <div class="w3-container w3-light-grey w3-padding-16">
                        <div class="w3-row w3-margin-top">
```

```html
                <div class="w3-col s10">
                    <input placeholder="Add shopping items
here" ng-model="addMe" class="w3-input w3-border w3-padding">
                </div>
                <div class="w3-col s2">
                    <button ng-click="addItem()" class="w3-
btn w3-padding w3- green">Add</button>
                </div>
            </div>
            <p class="w3-text-red">{{errortext}}</p>
        </div>
    </div>
    </body>
</html>
```
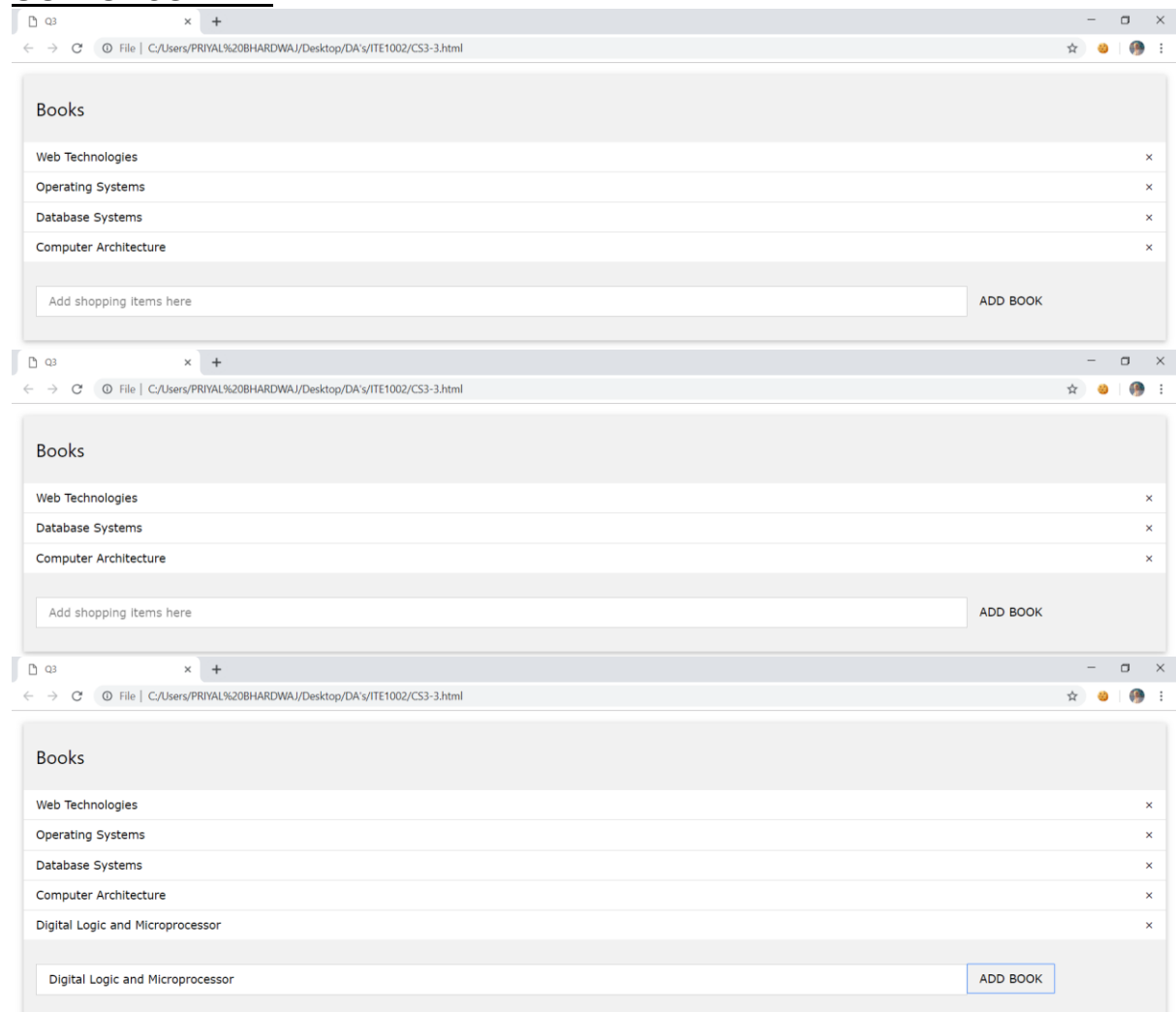
OUTPUT SCREEN:

Q.4

i) Create an angular routing application that displays the default page as the order details page containing three orders as shown below.

ii) When the "show details" is clicked for a particular order, the order details of particular order number must be displayed below.

#	Order No.	Details	
1	1234	15" Samsung Laptop	show details
2	5412	2TB Seagate Hard drive	show details
3	9874	D-link router	show details

ORDER #9874

HERE ARE THE DETAILS FOR ORDER #9874.

HTML CODE:

index.html

```html
<!doctype html>
<html >
<head>
    <meta charset="utf-8">
    <title>Q4</title>
    <script
src="http://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script
>
    <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular-
route.js"></script>
  <script src="script.js"></script>

  <link rel="stylesheet" href="style.css" type="text/css">
</head>

<body ng-app="myApp">
<table style="width:100%;" border="1" bordercolor="transparent" cellpadding="4px">
    <tr bgcolor="#D1D0CE">
        <th align="left">#</th>
        <th align="left"><b>Order No.</b></th>
        <th align="left"><b>Details</b></th>
        <th align="left"><b></b></th>
    </tr>
    <tr bgcolor="#E5E4E2">
        <td align="left">1</td>
```

```html
            <td align="left">1234</td>
            <td align="left">15<sup>n</sup>Samsung Laptop</td>
            <td><b><a href="#!first">show details</a></b></td>
        </tr>
        <tr bgcolor="#D1D0CE">
            <td>2</td>
            <td>5412</td>
            <td>2TB Segate Hard drive</td>
            <td><b><a href="#!second">show details</a></b></td>
        </tr>
        <tr bgcolor="#E5E4E2">
            <td>3</td>
            <td>9874</td>
            <td>D-link router</td>
            <td><b><a href="#!third">show details</a></b></td>
        </tr>
</table> <br>
<div ng-view></div>

</body>

</html>
```

script.js:

```javascript
var app = angular.module("myApp", ["ngRoute"]);
app.config(function($routeProvider) {
  $routeProvider
    .when("/", {
      template: "Order Details"
    })
    .when("/first", {
      templateUrl: "first.html"
    })
    .when("/second", {
      templateUrl: "second.html"
    })
    .when("/third", {
      templateUrl: "third.html"
    })
     .otherwise({
        redirectto: "index.html"
  });
}).config(function($locationProvider) {
  $locationProvider.hashPrefix('!');
});
```

style.css

```css
div{
  background-color:#D1D0CE;
  color:#000;
```

```
  borderwidth:3px;
  border-color:lightgreen;
  border-style:solid;
  height:100px
}
```

first.html

```
<div>
  <b>ORDER #1234<br>HERE ARE THE DETAILS FOR ORDER
#1234</b>
</div>
```

second.html

```
<div>
  <b>ORDER #5124<br>HERE ARE THE DETAILS FOR ORDER
#5124</b>
</div>
```

third.html

```
<div>
  <b>ORDER #9874<br>HERE ARE THE DETAILS FOR ORDER
#9874</b>
</div>
```

OUTPUT SCREEN:

#	Order No.	Details	
1	1234	15^nSamsung Laptop	show details
2	5412	2TB Segate Hard drive	show details
3	9874	D-link router	show details

Order Details

#	Order No.	Details	
1	1234	15^nSamsung Laptop	show details
2	5412	2TB Segate Hard drive	show details
3	9874	D-link router	show details

ORDER #1234
HERE ARE THE DETAILS FOR ORDER #1234

#	Order No.	Details	
1	1234	15^nSamsung Laptop	show details
2	5412	2TB Segate Hard drive	show details
3	9874	D-link router	show details

ORDER #5124
HERE ARE THE DETAILS FOR ORDER #5124

#	Order No.	Details	
1	1234	15^nSamsung Laptop	show details
2	5412	2TB Segate Hard drive	show details
3	9874	D-link router	show details

ORDER #9874
HERE ARE THE DETAILS FOR ORDER #9874