SHRI VILEPARLE KELAVANI MANDAL'S
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)
DEPARTMENT OF INFORMATION TECHNOLOGY

Course: Web Programming Lab	**Academic Year: 2020 -21**
Course Code: DJ19ITL405	**Semester: IV**
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EXPERIMENT NO.1

Aim: HTML

a) Create a class timetable using HTML.

b) Create a registration form using HTML.

c) Create a web page using HTML5 tags.

Theory:

HTML elements used to implement class timetable:

Class timetable can be created using the following tags:

<table border="2"></table> : This defines the start and end of table.

<tr></tr>   : This defines the table row

<td></td>   : This defines table data

<th></th>   : This defines table header

In <td> tags we use the attributes 'colspan' and 'rowspan' to merge two or more columns and to merge two or more rows respectively.

HTML elements used to implement registration form:

Registration form can be created using the following tags:

<form></form>   : This defines the start and end of form.

<label></label>   : This is used to give label to input fields.

<input type="text">   : This is used to get password input field.

<input type="password">   : This is used to get text input field.

<input type="email">   : This is used to get e mail input field.

<input type="tel">   : This is used to get telephone input field.

<input type="date">   : This is used to get date input field.

<input type="checkbox">   : This is used to get checkbox input field.

<textarea cols="c" rows="r"></textarea> : This is used to get a bigger text input field.

<select>   </select>   : This is used to create drop down select input field.

<option value="x"></option>:this is used inside <select> tags to add options in the select field.

<button></button>   : This is used to create a button.

We use the attributes 'required' to make a field mandatory to be filled, 'placeholder="x" ' is used to add the default display in the input fields.

HTML elements used to implement web page using HTML5 tags:

<header></header >   : This is used to define the header section of the page.

<nav></nav>   : This is used to define the navigation bar of the page.

<footer ></footer >   : This is used to define the footer section of the page.

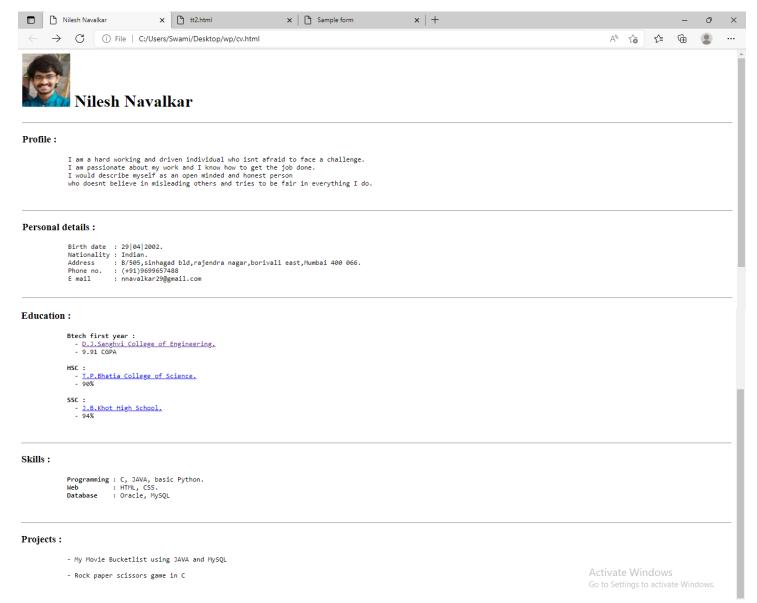<div></div>   : This tag is used to define a container to hold other tags.

Implementation:

a) Static web page using HTML

Code:

```html
<html lang="en">
<head>
    <title>Nilesh Navalkar</title>
</head>
<body>
    <div>
```

```html
        <h1> <img src="self.jpg" alt="self" height="100px" width="90px"> Nilesh
Navalkar</h1>
    </div>
    <hr>
    <div>
        <h3>Profile :</h3>
        <pre>
            I am a hard working and driven individual who isnt afraid to face a
challenge.
            I am passionate about my work and I know how to get the job done.
            I would describe myself as an open minded and honest person
            who doesnt believe in misleading others and tries to be fair in
everything I do.

        </pre>
    </div>
    <hr>
    <div>
        <h3>Personal details :</h3>
        <pre>
            Birth date  : 29|04|2002.
            Nationality : Indian.
            Address     : B/505,sinhagad bld,rajendra nagar,borivali east,Mumbai
400 066.
            Phone no.   : (+91)9699657488
            E mail      : nnavalkar29@gmail.com
        </pre>
    </div>
    <hr>
    <div>
        <h3>Education :</h3>
        <pre>
            <b>Btech first year :</b>
              - <a href="https://www.djsce.ac.in/">D.J.Sanghvi College of
Engineering.</a>
                - 9.91 CGPA

            <b>HSC :</b>
              - <a href="https://tpbhatiacollege.com/">T.P.Bhatia College of
Science.</a>
                - 90%

            <b>SSC :</b>
```

```html
            - <a
href="https://m.facebook.com/profile.php?id=106099892753974">J.B.Khot High
School.</a>
              - 94%

        </pre>
    </div>
    <hr>
    <div>
        <h3>Skills :</h3>
        <pre>
            <b>Programming </b>: C, JAVA, basic Python.
            <b>Web          </b>: HTML, CSS.
            <b>Database     </b>: Oracle, MySQL

        </pre>
    </div>
    <hr>
    <div>
        <h3>Projects :</h3>
        <pre>
            - My Movie Bucketlist using JAVA and MySQL

            - Rock paper scissors game in C

        </pre>
    </div>
    <hr>



</body>
</html>
```

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b) class timetable using HTML

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7:00-7:30					MATHS(AB)(31)	DAA(SC)(31)
7:30-8:00					MATHS(AB)(31)	DAA(SC)(31)
8:00-8:30					WP(SP)(31)	CN(NK)(31)
8:30-9:00				WP(SP)(31)	WP(SP)(31)	CN(NK)(31)
9:00-9:30				WP(SP)(31)	Break	Break
9:30-10:00				DAA(SC)(31)	DAA(SC)(31)	FLAT(ARJ)(DH1)
10:00-10:30				DAA(SC)(31)	DAA(SC)(31)	FLAT(ARJ)(DH1)
10:30-11:00				MATHS(AB)(31)	CN(NK)(31)	
11:00-11:30	WP(SP)(31)	MATHS(AB)(31)	UHV(MD)(31)	MATHS(AB)(31)	CN(NK)(31)	
11:30-12:00	WP(SP)(31)	MATHS(AB)(31)	UHV(MD)(31)	Break	IPD	
12:00-12:30	CN(NK)(31)	DAA(SC)(4TH)	FLAT(ARJ)(31)	PY(PT)(SPM)	IPD	
12:30-1:00	CN(NK)(31)	DAA(SC)(4TH)	FLAT(ARJ)(31)	PY(PT)(SPM)		
1:00-1:30	UHV(MD)(31)	DAA(SC)(4TH)	UHV(T)(MD)(31)	PY(PT)(SPM)		
1:30-2:00	UHV(MD)(31)	DAA(SC)(4TH)	UHV(T)(MD)(31)	PY(PT)(SPM)		
2:00-2:30	Break	Break	Break	Break	Break	Break
2:30-3:00	WP(ND)(MPMC)	FLAT(ARJ)(C3)	CN(NK)(CPG)	FLAT(TUT)(ARJ)(DH1)		
3:00-3:30	WP(ND)(MPMC)	FLAT(ARJ)(C3)	CN(NK)(CPG)	FLAT(TUT)(ARJ)(DH1)		
3:30-4:00	WP(ND)(MPMC)	MATHS(TUT)(AB)(C3)	CN(NK)(CPG)			
4:00-4:30	WP(ND)(MPMC)	MATHS(TUT)(AB)(C3)	CN(NK)(CPG)			

code:

```html
<html>
<head>
<style>
table {
    margin-top: 3.5%;
}
table, th, td {
border: 0.5px solid black;
width: 1000px;
height: 25px;
}
</style>
</head>
<body>
```

```html
<div align="center">
<table>
<tr align="center">
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>


<tr align="center">
<td>7:00-7:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td rowspan="2">MATHS(AB)(31)</td>
<td rowspan="2">DAA(SC)(31)</td>
</tr>


<tr align="center">
<td>7:30-8:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>


<tr align="center">
<td>8:00-8:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td rowspan="2">WP(SP)(31)</td>
<td rowspan="2">CN(NK)(31)</td>
```

```html
</tr>


<tr align="center">
<td>8:30-9:00</td>
<td></td>
<td></td>
<td></td>
<td rowspan="2">WP(SP)(31)</td>
</tr>

<tr align="center">
<td>9:00-9:30</td>
<td></td>
<td></td>
<td></td>
<td colspan="2" bgcolor="gray">Break</td>
</tr>



<tr align="center">
<td>9:30-10:00</td>
<td></td>
<td></td>
<td></td>
<td rowspan="2">DAA(SC)(31)</td>
<td rowspan="2">DAA(SC)(31)</td>
<td rowspan="2">FLAT(ARJ)(DH1)</td>
</tr>



<tr align="center">
<td>10:00-10:30</td>
<td></td>
<td></td>
<td></td>
</tr>



<tr align="center">
```

```html
<td>10:30-11:00</td>
<td></td>
<td></td>
<td></td>
<td rowspan="2">MATHS(AB)(31)</td>
<td rowspan="2">CN(NK)(31)</td>
<td></td>
</tr>



<tr align="center">
<td>11:00-11:30</td>

<td rowspan="2">WP(SP)(31)</td>
<td rowspan="2">MATHS(AB)(31)</td>
<td rowspan="2">UHV(MD)(31)</td>

<td></td>

</tr>



<tr align="center">
<td>11:30-12:00</td>
<td bgcolor="gray">Break</td>
<td rowspan="2">IPD</td>
<td></td>

</tr>



<tr align="center">
<td>12:00-12:30</td>

<td rowspan="2">CN(NK)(31)</td>
<td rowspan="4">DAA(SC)(4TH)</td>
<td rowspan="2">FLAT(ARJ)(31)</td>
<td rowspan="4">PY(PT)(SPM)</td>
<td></td>
</tr>
```

```html
<tr align="center">
<td>12:30-1:00</td>
<td></td>
<td></td>

</tr>




<tr align="center">
<td>1:00-1:30</td>

<td rowspan="2">UHV(MD)(31)</td>
<td rowspan="2">UHV(T)(MD)(31)</td>
<td></td>
<td></td>
</tr>




<tr align="center">
<td>1:30-2:00</td>
<td></td>
<td></td>
</tr>




<tr align="center">
<td>2:00-2:30</td>
<td colspan="6" bgcolor="gray">Break</td>
</tr>




<tr align="center">
<td>2:30-3:00</td>
<td rowspan="4">WP(ND)(MPMC)</td>
<td rowspan="2">FLAT(ARJ)(C3)</td>
<td rowspan="4">CN(NK)(CPG)</td>
<td rowspan="2">FLAT(TUT)(ARJ)(DH1)</td>
```

```html
<td></td>
<td></td>
</tr>



<tr align="center">
<td>3:00-3:30</td>
<td></td>
<td></td>
</tr>




<tr align="center">
<td>3:30-4:00</td>

<td rowspan="2">MATHS(TUT)(AB)(C3)</td>
<td></td>
<td></td>
<td></td>
</tr>




<tr align="center">
<td>4:00-4:30</td>
<td></td>
<td></td>
<td></td>
</tr>




</table>
</div>
</body>
</html>
```

c) **registration form using HTML**

code:

```html
<html>
<head>
    <title>Sample form</title>
    <style>
        div{
            margin-left:40%;
            margin-right:40%;

        }
        input,textarea{
            float: right;
        }
        label{
            float: left;
        }
    </style>
</head>
```

```html
<body>
    <div align="center" id="1">
        <h1 align="center">Sign Up</h1>

        <hr><hr>
        <form>
            <br>
            <label for="name">Name:</label>
            <input type="text" required placeholder="enter name"
id="name"><br><br>

            <label for="pass">Password:</label>
            <input type="password" required placeholder="enter password"
id="pass"><br><br>

            <label for="em">Email:</label>
            <input type="email" required placeholder="enter email"
id="em"><br><br>

            <label for="phone">Phone:</label>
            <input type="tel" required placeholder="enter Phone no."
id="phone"><br><br>

            <label for="dob">Dob:</label>
            <input type="date" id="dob"><br><br>


            <label for="add">Adderss:</label>
            <textarea cols="20" rows="5" id="add"></textarea><br><br><br><br><br>
            <label for="loc">Location:</label>
            <select id="loc">
                <option value="">choose city</option>
                <option value="1">Mumbai</option>
                <option value="2">Chennai</option>
                <option value="3">Kolkata</option>
            </select><br><br>
            <label for="check">I have read the terms and conditions:</label>
            <input type="checkbox" required><br><br>
            <button>submit</button>

        </form>
        <hr><hr>
    </div>
```

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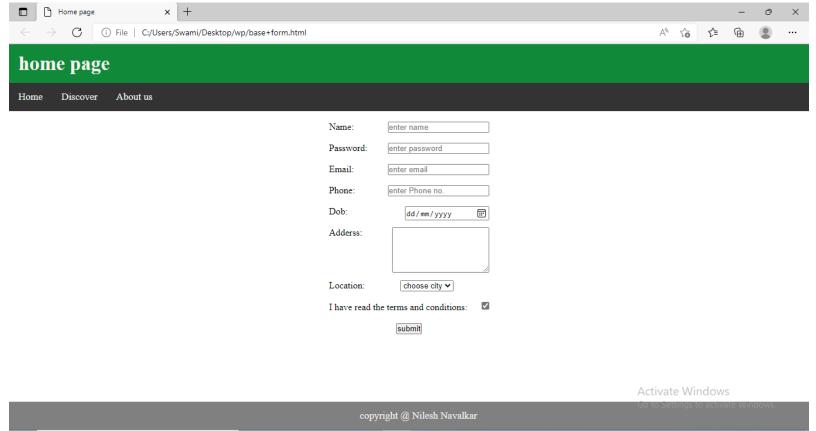(Autonomous College Affiliated to the University of Mumbai)
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```
</body>
</html>
```

d) Web page using HTML5 elements:

Code:

```html
<html lang="en">
<head>
    <style>
        *{
            margin: 0;
            padding: 0;
        }
        header{
            background-color: rgb(16, 138, 57);
color: #f2f2f2;
text-align: left;
```

```css
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
        position: sticky;
    }

    nav{
        background-color: #333;
        overflow: hidden;
    }
    a{
        float: left;
color: #f2f2f2;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
    }
    li{
        list-style-type: none;
        display :inline;
    }
    li :hover {
        background-color: gray;

    }
    footer{
        background-color: gray;

        float: left;
color: #f2f2f2;
text-align: center;
padding: 14px 16px;
text-decoration: none;
font-size: 17px;
        position:fixed;
        bottom:0;
        width: 100%;
    }


    .this {
        margin-left:40%;
```

```
                margin-right:40%;

        }
        input,textarea{
            float: right;
        }
        label{
            float: left;
        }
    </style>
    <title>Home page</title>

</head>
<body>
    <header>
        <h1>home page</h1>
    </header>
    <nav>
        <div>
            <ul>
                <li><a href="">Home</a></li>
                <li><a href="">Discover</a></li>
                <li><a href="">About us</a></li>

            </ul>
        </div>
    </nav>
    <div align="center" class="this">
        <form>
            <br>
            <label for="name">Name:</label>
            <input type="text" required placeholder="enter name"
id="name"><br><br>

            <label for="pass">Password:</label>
            <input type="password" required placeholder="enter password"
id="pass"><br><br>

            <label for="em">Email:</label>
            <input type="email" required placeholder="enter email"
id="em"><br><br>

            <label for="phone">Phone:</label>
```

```html
            <input type="tel" required placeholder="enter Phone no."
id="phone"><br><br>

            <label for="dob">Dob:</label>
            <input type="date" id="dob"><br><br>


            <label for="add">Adderss:</label>
            <textarea cols="20" rows="5" id="add"></textarea><br><br><br><br><br>
            <label for="loc">Location:</label>
            <select id="loc">
                <option value="">choose city</option>
                <option value="1">Mumbai</option>
                <option value="2">Chennai</option>
                <option value="3">Kolkata</option>
            </select><br><br>
            <label for="check">I have read the terms and conditions:</label>
            <input type="checkbox" required><br><br>
            <button>submit</button>

        </form>
    </div>
    <footer>
            <p>copyright @ Nilesh Navalkar </p>
    </footer>
</body>
</html>
```