

**DR B.R. AMBEDKAR NATIONAL INSTITUTE OF
TECHNOLOGY JALANDHAR,
PUNJAB, INDIA**



Web Technologies Laboratory

CSX-330

Session: Jan-May 2020

SUBMITTED TO-

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Assistant Professor
CSE Department

SUBMITTED BY-

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Group - G-1
Branch - CSE

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[illegible]

Practical No.1

Aim: Create your own Curriculum Vitae using HTML.

Program:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>CV</title>
</head>
<body>
  <h1><center>Curriculum Vitae</center></h1>
  <h2>Personal Details:</h2>
  <p>
    <font size="5">
      
      Name : Ankit Goyal </br>
      Address : Boys hostel 4,NIT jalandhar</br>
      Contact : 8104XXXXXX
    </font>
  </p>
  <h2>Objective:</h2>
  <p>
    <font size="5">
      My objective is to secure a place in a firm where I can learn new skills, helpful in
      development of the firm.
    </font>
  </p>
  <h2>Educational Qualifications:</h2>
  <font size="5">
    <table border="1" width="50%" >
      <tr>
        <th>Course</th>
        <th>Institute</th>
        <th>Year</th>
        <th>%</th>
      </tr>
      <tr align="center">
        <td>B.Tech</td>
        <td>NIT JALANDHAR</td>
        <td>2017</td>
        <td>8.39</td>
      </tr>
      <tr align="center">
        <td>12th</td>
        <td>Navjeevan School Sikar</td>
        <td></td>
        <td></td>
      </tr>
    </table>
  </font>
```

```

        <td>2016</td>
        <td>96.00</td>
    </tr>
    <tr align="center">
        <td>10th</td>
        <td>AVM School Bari</td>
        <td>2014</td>
        <td>90.83</td>
    </tr>
</table>
</font>
</body>
</html>

```

Output:



Curriculum Vitae

Personal Details:

Name : Ankit Goyal
 Address : Boys hostel 4,NIT jalandhar
 Contact : 8104XXXXXX

Objective:

My objective is to secure a place in a firm where I can learn new skills, helpful in development of the firm.

Educational Qualifications:

Course	Institute	Year	%
B.Tech	NIT JALANDHAR	2017	8.39
12th	Navjeevan School Sikar	2016	96.00
10th	AVM School Bari	2014	90.83



Practical No.2

Aim: Create static web pages using HTML.

Program:

1. Crackers.html:

```
<!DOCTYPE html>

<html lang="en">

    <title>crackers</title>

<body>

    <h1 style="font-size: 40px;">Crackers:</h1>

    <p style="font-size: 25px;">A firecracker (cracker, noise maker, banger,[1]) is a small
    explodedevice primarily designed to produce a large amount of noise, especially in the form
    of a loud bang; any visual effect is incidental to this goal.</p>

    <br><br>

    <a style="margin-left:80px ;font-size:40px ; color:green; "
href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/ad
vantages%20of%20crackers.html">Advantages </a>

    <a style="margin-left:160px ;font-size:40px ; color: red; "
href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/di
sadvantages%20of%20crackers.html">Disadvantages </a>

</body>

</html>
```



Crackers:

A firecracker (cracker, noise maker, banger,[1]) is a small explosive device primarily designed to produce a large amount of noise, especially in the form of a loud bang; any visual effect is incidental to this goal.



Advantages

Disadvantages

2. Advantages of Crackers.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<title>Advantages</title>
```

```
<body>
```

```
<p style="text-align: center; color: green;font-size: 40px;">Advantage</p>
```

```
<h2>1. Fun like never before</h2>
```

```
<p style="font-size: 25px;">Diwali is basically so much famous and awaited because of the crackers, Kids and people waitall year long for just this one day to burn crackers and enjoy their heart out. </p>
```

```
<h2>2. It drives technological developments</h2>
```

```
<p style="font-size: 25px;">It is a lesser known fact that many of the weapons used by our defense forces are manufactured by Indian fireworks industries. Also, it is only because of the crackers that we were able to design missiles and rockets that can conquer the space today.</p>
```

```
<h2>3. It boosts up the economy</h2>
```

```
<p style="font-size: 25px;">Crackers is a huge industry which is for over Rs. 1000 crores. It directly employs more than 40,000 people that is it contributes to the livelihood of about 6-7 lakh people.</p>
```

```
<a style="margin-left: 600px; font-size: 35px;" href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/crackers.HTML"> Click here to go back</a>
```

```
</body>
```

```
</html>
```



Advantage

1. Fun like never before

Diwali is basically so much famous and awaited because of the crackers, Kids and people wait all year long for just this one day to burn crackers and enjoy their heart out. Crackers are a symbol of celebrating the victory of Lord Rama and expressing our happiness.

2. It drives technological developments

It is a lesser known fact that many of the weapons used by our defense forces are manufactured by Indian fireworks industries. Also, it is only because of the crackers that we were able to design missiles and rockets that can conquer the space today.

3. It boosts up the economy

Crackers is a huge industry which is for over Rs. 1000 crores. It directly employs more than 40,000 people that is it contributes to the livelihood of about 6-7 lakh people.

[Click here to go back](#)

3. Disadvantages of Crackers.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <title>Disadvantages</title>
```

```
  <body>
```

```
    <p style="text-align: center; color: red;font-size: 40px;">Disadvantage</p>
```

```
    <h2>1. Air Pollution</h2>
```

```
    <p style="font-size: 25px;">The most significant demerit of fireworks is the pollution that it causes in the areawhere it is done excessively. Also, the crackers emit carbon dioxide which is a greenhouse gas thereby alarming the global warming effects. </p>
```

```
    <h2>2. Garbage</h2>
```

```
    <p style="font-size: 25px;">The garbage of the crackers which is left over after the enjoyment is a major problem to be considered. These chemical wastes can do a lot more damage than we can even imagine. If accidentally inhaled, can even cause death.</p>
```

```
    <h2>3. Smog</h2>
```

```
    <p style="font-size: 25px;">The air we breathe no longer remains pure. Diwali crackers are a major cause for the smog suspended in the atmosphere. There is low visibility which can be a cause for many major road accidents. </p>
```

```
    <a style="margin-left: 600px; font-size: 35px;" href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/crackers.HTML"> Click here to go back</a>
```

```
  </body>
```

```
</html>
```



Disadvantage

1. Air Pollution

The most significant demerit of fireworks is the pollution that it causes in the area where it is done excessively. Also, the crackers emit carbon dioxide which is a greenhouse gas thereby alarming the global warming effects. During diwali, the amount of air pollution increases up to 50% as compared to normal days which is indeed a considerable situation as it can cause many heart and lung diseases. Also, the people already suffering from these diseases are highly disturbed!

2. Garbage

The garbage of the crackers which is left over after the enjoyment is a major problem to be considered. The left overs are chemical wastes lying on roads, gardens and parks. These chemical wastes can do a lot more damage than we can even imagine. If accidentally inhaled, can even cause death.

3. Smog

The air we breathe no longer remains pure. Diwali crackers are a major cause for the smog suspended in the atmosphere. There is low visibility which can be a cause for many major road accidents. Also, the smog affects the respiratory system so badly that it can take lives very easily. India is a country highly affected by global warming, in such a situation smog only makes the atmosphere worse.

[Click here to go back](#)

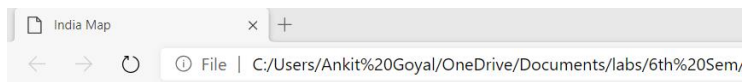
Practical No.3

Aim: Create web pages using MAP tag.

Program:

1. India.html

```
<!DOCTYPE html>
<html lang="en">
  <title>India Map</title>
  <body>
    <h1>India:</h1>
    
    <map name="indiaMap">
      <area shape="circle" coords="90,200,55"
      href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/ra
      jasthan.html">
      <area shape="circle" coords="380,0,160"
      href="file:///C:/Users/Ankit%20Goyal/OneDrive/Documents/labs/6th%20Sem/WT%20lab/ch
      ina.html">
    </map>
  </body>
</html>
```



India:

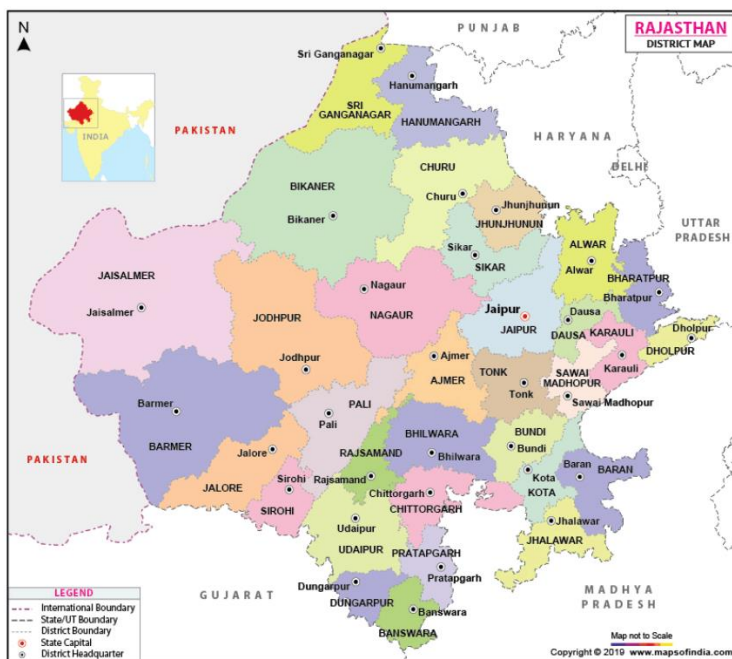


2. Rajasthan.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Rajasthan</title>
</head>
<body>
  <h1>Rajasthan (Largest State):</h1>
  
</body>
</html>
```



Rajasthan (Largest State):



3. China.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>China</title>
</head>
<body>
  <h1>China (Bad Neighbour):</h1>
  
```

</body>

</html>



China (Bad Neighbour):



Practical No.4

Aim: Impalement frames in HTML.

Program:

- **Frames.html**

```
<!DOCTYPE html>
<html>
<head>
    <title>Frames</title>
</head>
    <iframe src="forms.html" width="500" height="700"></iframe>
    <iframe width="500" height="700"
src="https://www.youtube.com/embed/M7-FFtYSCGg" frameborder="0"
allow="accelerometer; autoplay; encrypted-media; gyroscope; " allowfullscreen></iframe>
    <iframe src="drag and drop.html" width="490" height="700"></iframe>
</html>
```

- **Forms.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Forms</title>
    <style>
        label{
            margin-right: 5px;
            font-weight: bold;
        }
        legend{
            font-size: 20px;
            font-weight: bold;
        }
    </style>
</head>
<body style="margin-left: 30px;">
    <a href="home page.html">Go Back</a>
    <h1 style="text-align: center;">Registration Form</h1>
    <form target="_self" method="GET">
    <fieldset>
        <legend>Personal Details</legend>
        <label for="first_name">First Name</label>
        <input type="text" id="first_name" style="margin-right: 30px;">
        <label for="last_name">Last Name</label>
        <input type="text" id="last_name"><br><br>
        <b>Gender<br></b>
        <input type="radio" name="Gender"> Male
```

```

        <input type="radio" name="Gender" >Female<br><br>
        <label for="dob">Date of Birth</label>
        <input type="date" id="dob">
    </fieldset><br>
    <fieldset>
        <legend>Contact Details</legend>
        <label for="phone">Phone No</label>
        <input type="number" id="phone"><br><br>
        <label for="mail">Email</label>
        <input type="email" id="mail"><br><br>
    </fieldset><br>
    <fieldset>
        <legend>Adderss</legend>
        <label for="street">Street</label>
        <input type="text" id="street" style="margin-right: 30px;">
        <label for="city">City</label>
        <input type="text" id="city"><br><br>
        <label for="state">State</label>
        <input type="text" id="state"><br><br>
    </fieldset><br>
    <div style="text-align: center;">
        <input type="reset" value="Reset" style="font-size: 20px; margin-right: 20px;">
        <input type="submit" value="Submit" style="font-size: 20px;">
    </div>
</form>
</body>
</html>

```

- **drag and drop.html**

```

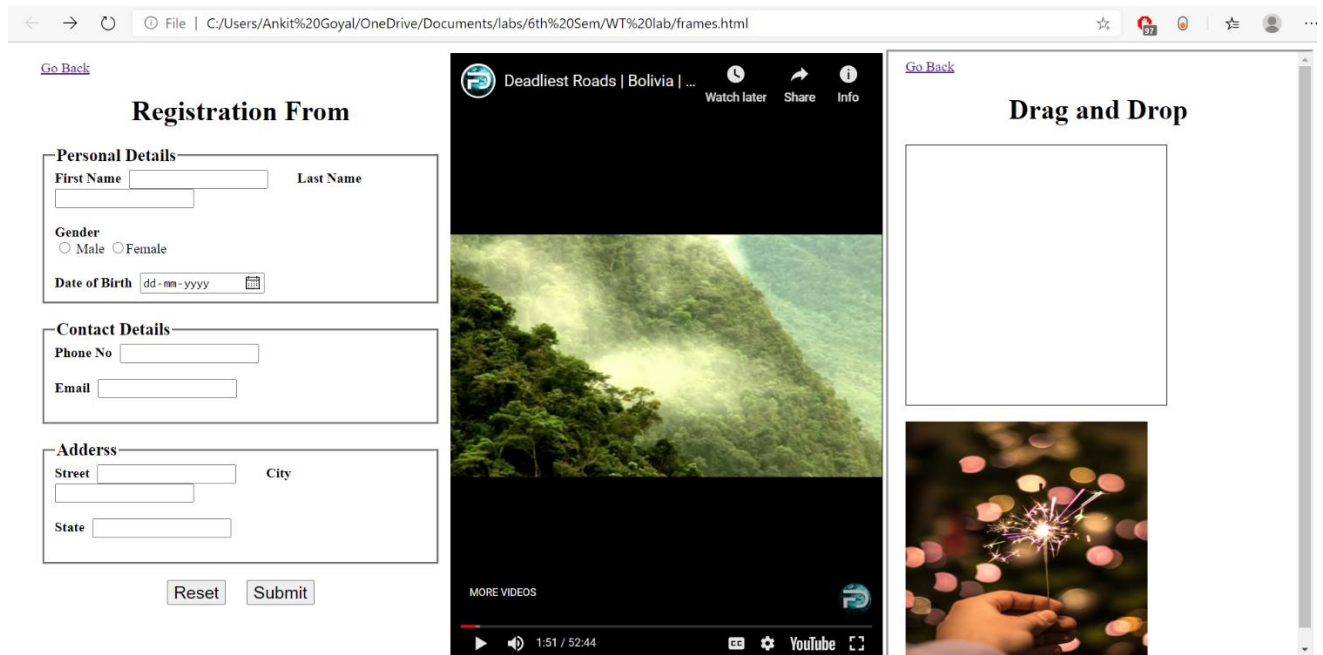
<!DOCTYPE HTML>
<html>
<head>
    <script>
        function allowDrop(ev) {
            ev.preventDefault();
        }
        function drag(ev) {
            ev.dataTransfer.setData("text", ev.target.id);
        }
        function drop(ev) {
            ev.preventDefault();
            var data = ev.dataTransfer.getData("text");
            ev.target.appendChild(document.getElementById(data));
        }
    </script>
</head>

```

```

<body style="margin-left: 20px;">
  <a href="home page.html">Go Back</a>
  <h1 style="text-align: center;">Drag and Drop</h1>
  <div id="div1" ondrop="drop(event)" ondragover="allowDrop(event)" style="width:
300px;height: 300px;border: 1px solid;"></div><br>
  
</body>
</html>

```



Practical No.5

Aim: Create a scientific calculator using HTML and JavaScript.

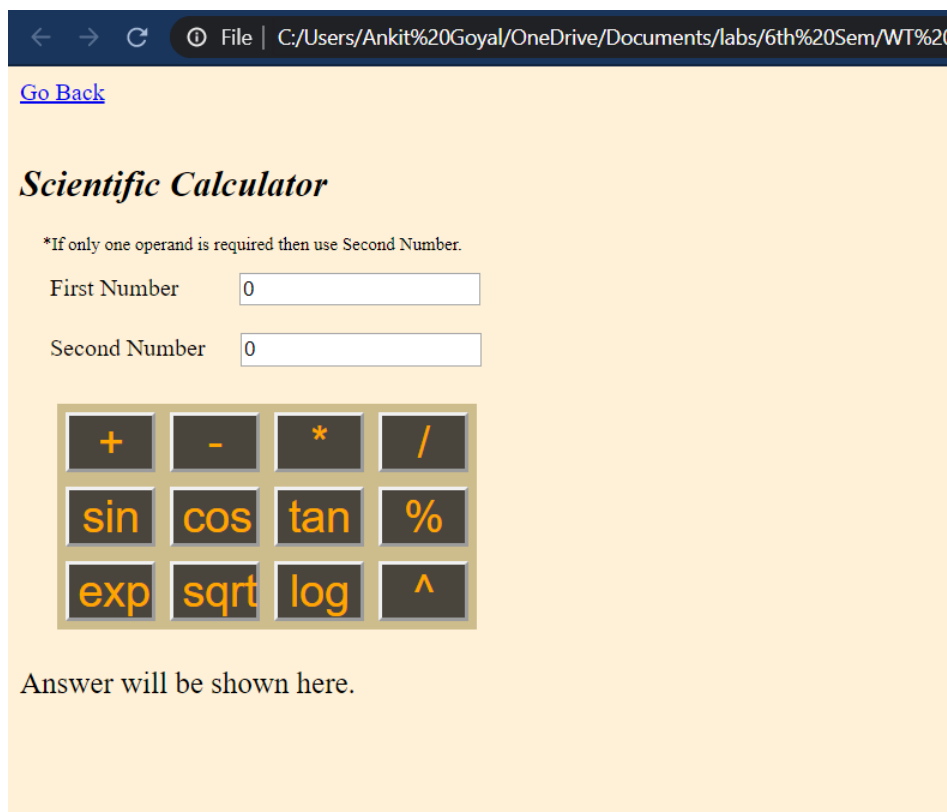
Program:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Calculator</title>
  <style>
    body{
      background-color: rgba(255, 166, 0, 0.158);
    }
    button {
      margin: 3px;
      background-color: rgba(51, 50, 49, 0.856);
      width: 60px;
      height: 40px;
      font-size: 30px;
      color:orange;
    }
  </style>
  <script>
    function cal(symbol)
    {
      var a=Number(document.getElementById("number_a").value);
      a=('+a+symbol;
      calculate(a);
    }
    function calculate(a)
    {
      var b=Number(document.getElementById("number_b").value);
      a=a+b+');
      document.getElementById("ans").innerHTML="Answer is "+eval(a);
    }
  </script>
</head>
<body>
  <a href="home page.html">Go Back</a><br><br>
  <h2><i>Scientific Calculator</i></h2>
  <p style="font-size: 12px;margin-left: 15px;">*If only one operand is required then use
  Second Number.</p>
  <label for="number_a" style="margin: 20px; padding-right: 17px;">First
  Number</label>
  <input type="text" id="number_a" value="0"><br><br>
  <label for="number_b" style="margin: 20px;" >Second Number</label>
```

```

<input type="text" id="number_b" value="0"><br>
<p style="font-size: 10px;"></p>
<table style="background-color:rgba(192, 175, 120, 0.781);margin: 25px;">
  <tr >
    <td><button type="button" onclick="cal('+')">+</button></td>
    <td><button type="button" onclick="cal('-')">-</button></td>
    <td><button type="button" onclick="cal('*')">*</button></td>
    <td><button type="button" onclick="cal('/')">/</button></td>
  </tr>
  <tr>
    <td><button type="button" onclick="calculate('Math.sin()')>sin</button></td>
    <td><button type="button" onclick="calculate('Math.cos()')>cos</button></td>
    <td><button type="button" onclick="calculate('Math.tan()')>tan</button></td>
    <td><button type="button" onclick="cal('%')>%</button></td>
  </tr>
  <tr>
    <td><button type="button" onclick="calculate('Math.exp()')>exp</button></td>
    <td><button type="button" onclick="calculate('Math.sqrt()')>sqrt</button></td>
    <td><button type="button" onclick="calculate('Math.log()')>log</button></td>
    <td><button type="button" onclick="cal('**')>^</button></td>
  </tr>
</table>
<p id="ans" style="font-size: 20px;">Answer will be shown here.</p>
</body>
</html>

```



Practical No.6

Aim: Design UTKANSH website with real time clock.

Program:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Utkansh</title>
  <link rel="stylesheet" href="utkansh.css">
</head>
<body>
  <a href="home page.html">Back</a>
  <div class="header">
    <p class="subheading">NITJ PRESENTS</p>
    <p class="mainheading">Utkansh 2k20</p>
    <!-- <p class="clock" onload="showtime()"></p> -->
    <div id="DigitalCLOCK" class="clock" onload="showTime()"></div>
    <button type="button">Register</button>
    <button type="button">Login</button>

  </div>
  <script src="utkansh20.js" ></script>
</body>
</html>
```

Utkansh.css-

```
.header{
  /* background-color: rgb(158, 161, 131); */
  background-color: rgba(248, 164, 8, 0.24);
  height: 100%;
  text-align: center;
  margin: 0px;
}
.subheading{
  font-size: 30px;
  font-style: italic;
  padding-top: 30px;
  /* color: azure; */
  /* margin: 0px; */
}
.mainheading{
  font-size: 150px;
  margin: 0px;
  color: rgba(218, 34, 34, 0.993);
```



```
    font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
}
.clock{
    color: rgb(0, 132, 255);
    padding-top: 20px;
    font-size: 50px;
    margin: 100px;
}

button{
    background-color: rgba(255, 140, 0, 0.644);
    border: 0ch;
    border-radius: 5px;
    padding: 5px 16px 5px 16px;
    /* margin: 50px; */
    font-size: 30px;
    margin-left: 10px;
    font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
}

html,body{
    height: 100%;
    margin: 0px;
}
```

Utkansh20.js-

```
function showTime(){
    var date = new Date();
    var h = date.getHours();
    var m = date.getMinutes();
    var s = date.getSeconds();
    var session = "AM";
    if(h == 0){
        h = 12;
    }

    if(h > 12){
        h = h - 12;
        session = "PM";
    }

    h = (h < 10) ? "0" + h : h;
    m = (m < 10) ? "0" + m : m;
    s = (s < 10) ? "0" + s : s;
```

```
var time = h + ":" + m + ":" + s + " " + session;
document.getElementById("DigitalCLOCK").innerText = time;
document.getElementById("DigitalCLOCK").textContent = time;
setTimeout(showTime, 1000);
}
showTime();
```

Output:[Back](#)