

1)

Multiplication table

File | D:/Classwork/NCP%20Lab/NCP-Lab/23-08-2020/q1.html?

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Enter the no of rows

Enter the no of columns

	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

Type here to search

11:37 23-08-2020

```
<html>
  <head>
    <title>
      Multiplication table
    </title>
    <style>
      table, th, td {
        border: 1px solid black;
        text-align:center;
        margin-left: 35%;
      }
      th, td {
        padding: 10px;
        background-color:none;
      }

      input{
        margin:10px;
        border-radius: 10px;
      }
      body{
        text-align: center;
        align-content: center;
        justify-items: center;
      }
    </style>
  </head>
  <body>
    <div>
      <div>
        <input type="text" value="10"/>
      </div>
      <div>
        <input type="text" value="10"/>
      </div>
      <div>
        <input type="button" value="generate"/>
      </div>
    </div>
    <table border="1">
      <thead>
        <tr>
          <th></th>
          <th>1</th>
          <th>2</th>
          <th>3</th>
          <th>4</th>
          <th>5</th>
          <th>6</th>
          <th>7</th>
          <th>8</th>
          <th>9</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <th>1</th>
          <td>1</td>
          <td>2</td>
          <td>3</td>
          <td>4</td>
          <td>5</td>
          <td>6</td>
          <td>7</td>
          <td>8</td>
          <td>9</td>
        </tr>
        <tr>
          <th>2</th>
          <td>2</td>
          <td>4</td>
          <td>6</td>
          <td>8</td>
          <td>10</td>
          <td>12</td>
          <td>14</td>
          <td>16</td>
          <td>18</td>
        </tr>
        <tr>
          <th>3</th>
          <td>3</td>
          <td>6</td>
          <td>9</td>
          <td>12</td>
          <td>15</td>
          <td>18</td>
          <td>21</td>
          <td>24</td>
          <td>27</td>
        </tr>
        <tr>
          <th>4</th>
          <td>4</td>
          <td>8</td>
          <td>12</td>
          <td>16</td>
          <td>20</td>
          <td>24</td>
          <td>28</td>
          <td>32</td>
          <td>36</td>
        </tr>
        <tr>
          <th>5</th>
          <td>5</td>
          <td>10</td>
          <td>15</td>
          <td>20</td>
          <td>25</td>
          <td>30</td>
          <td>35</td>
          <td>40</td>
          <td>45</td>
        </tr>
        <tr>
          <th>6</th>
          <td>6</td>
          <td>12</td>
          <td>18</td>
          <td>24</td>
          <td>30</td>
          <td>36</td>
          <td>42</td>
          <td>48</td>
          <td>54</td>
        </tr>
        <tr>
          <th>7</th>
          <td>7</td>
          <td>14</td>
          <td>21</td>
          <td>28</td>
          <td>35</td>
          <td>42</td>
          <td>49</td>
          <td>56</td>
          <td>63</td>
        </tr>
        <tr>
          <th>8</th>
          <td>8</td>
          <td>16</td>
          <td>24</td>
          <td>32</td>
          <td>40</td>
          <td>48</td>
          <td>56</td>
          <td>64</td>
          <td>72</td>
        </tr>
        <tr>
          <th>9</th>
          <td>9</td>
          <td>18</td>
          <td>27</td>
          <td>36</td>
          <td>45</td>
          <td>54</td>
          <td>63</td>
          <td>72</td>
          <td>81</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

```

    </style>
<script>
    function tablehead(table,data){
        var head=table.createTHead();
        var row= head.insertRow();
        for (var key of data) {
            var th = document.createElement("th");
            var text = document.createTextNode(key);
            th.appendChild(text);
            row.appendChild(th);
        }
    }

    function gentable(table,rows,cols){
        var i=1;

        while (i<rows) {
            var row = table.insertRow();
            var cell = row.insertCell();
            var text = document.createTextNode(i);
            cell.appendChild(text);
            var j=1;
            while (j<cols) {
                var cell = row.insertCell();
                var text = document.createTextNode(i*j);
                cell.appendChild(text);
                j+=1;
            }
            i+=1;
        }
    }

    function multiply(){
        var rows=parseInt(document.getElementById('rows').value);
        var cols=parseInt(document.getElementById('columns').value);

        var table=document.querySelector('table');
        var data=[];
        var i=1;
        data.push(" ")
        while(i < cols){
            data.push(i);
            i+=1;
        }

        tablehead(table,data);
        gentable(table,rows,cols);
    }

```

```

    }

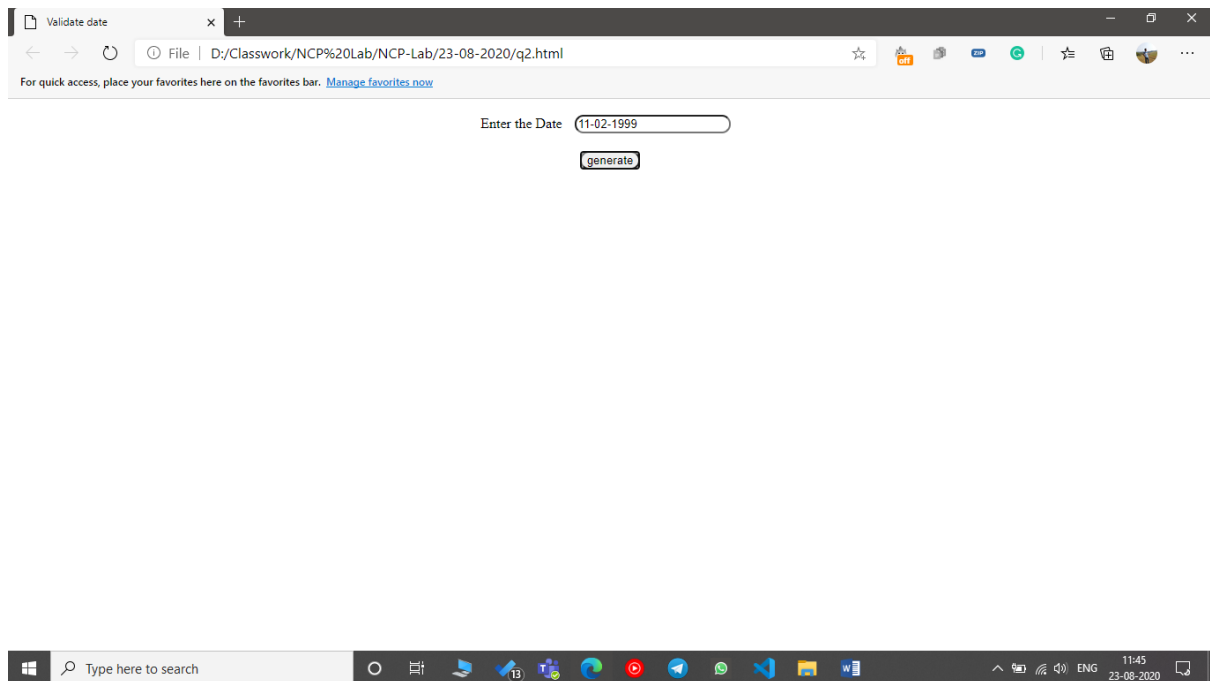
    </script>
</head>
<body>
    <label>Enter the no of rows <input type='text' id='rows' /></label><br /
>
    <label>Enter the no of columns <input type='text' id='columns' /></labe
l><br />
    <input type='button' value='generate' onclick="multiply()" />
    <table cellpadding=1>

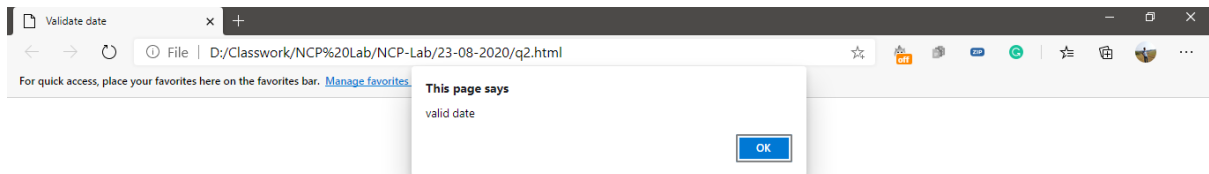
    </table>

</body>
</html>

```

2)





```
<html>
  <head>
    <title>
      Validate date
    </title>
    <style>

      input{
        margin:10px;
        border-radius: 10px;
      }
      body{
        text-align: center;
        align-content: center;
        justify-items: center;
      }

    </style>
  <script>

    function validate_date(){
      var date=document.getElementById('date').value;
      date=date.split('-');
      if (date.length!=3){
        alert('invalid date');

      }else{
        var day=parseInt(date[0]);
        var month=parseInt(date[1]);
```

```

var year=parseInt(date[2]);
li1=[1,3,5,7,8,10,12];
li2=[4,6,9,11];
var curr_year= new Date();
curr_year=curr_year.getFullYear();
if (year<curr_year){
if (year%4==0){

    if (year%100==0){
        if (year%400==0){
            li3=[29];
        }else{
            li3=[28];
        }
    }else{
        li3=[29];
    }

}

}else{
    li3=[28];
}

if ((month<=12)&&(month>=1)){
var limit=0;
if (li1.includes(month,0)){
    limit=31;
}else{
    if (li2.includes(month,0)){
        limit=30;
    }else{
        limit=li3[0];
    }
}
if (day<=limit){
    alert('valid date');
}else{
    alert('invalid date');
}
}else{
    alert('invalid date');
}}else{
    alert('invalid date');
}
}

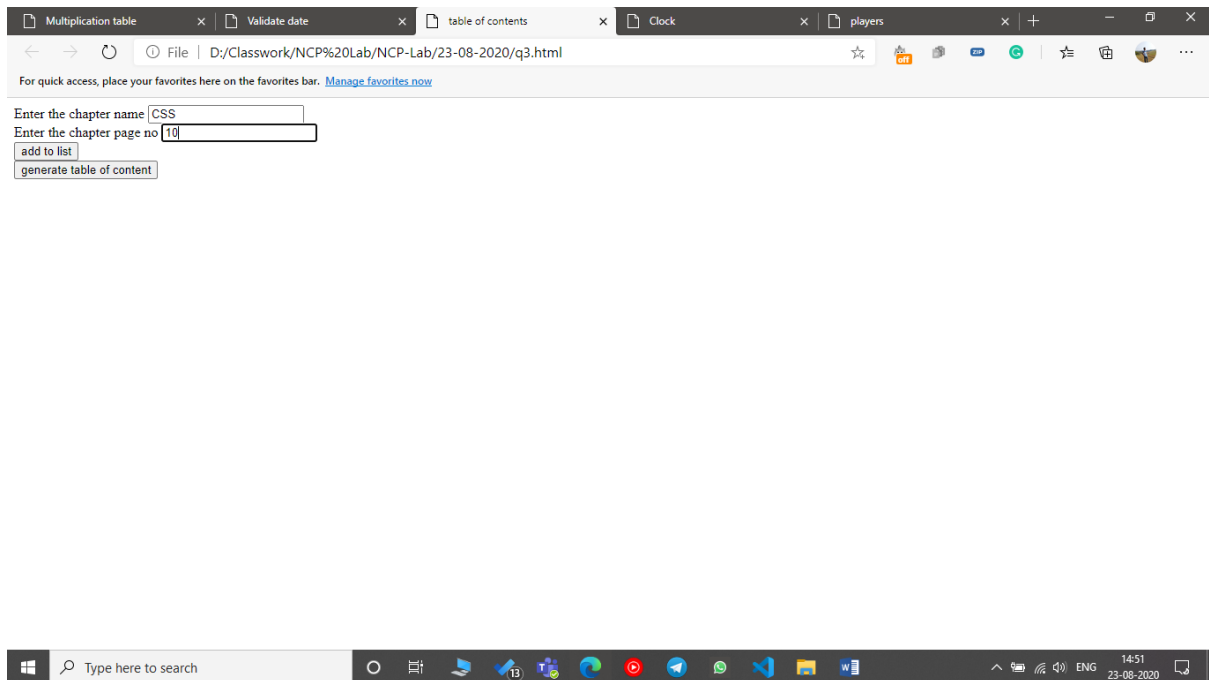
```

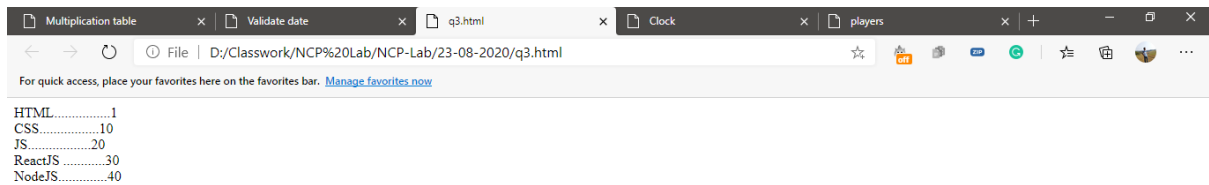
```
}}
```

```
    </script>
  </head>
  <body>
    <label>Enter the Date <input type='text' id='date' placeholder="DD-MM-
YYYY"/></label><br/>
    <input type='button' value='generate' onclick="validate_date()"/>

  </body>
</html>
```

3)





```
<html>
  <head>
    <title>
      table of contents
    </title>
  </head>
  <script>
    var list=[];
    var page=[];
    function add_list(){
      list.push(document.getElementById('list_entry').value);
      page.push(document.getElementById('page').value);
      document.getElementById('list_entry').value=''
      document.getElementById('page').value=''
    }

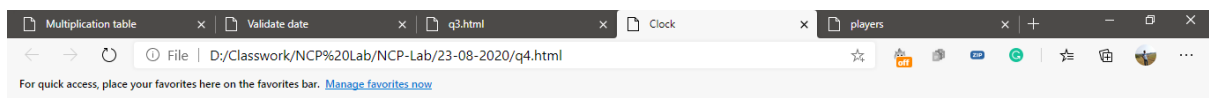
    function toc(){
      var i=0;
      while(i<list.length){
        document.write(list[i])
        var j=0;
        while (j<(20-list[i].length)){
          document.write('.')
          j+=1
        }
        document.write(page[i])
        document.write('<br/>')
        i+=1
      }
    }
  </script>
</html>
```

```

    </script>
<body>
    <label>Enter the chapter name <input type='text' id='list_entry' /></label>
<br/>
    <label>Enter the chapter page no <input type='text' id='page' /></label><br
/>
<input type='button' value='add to list' onclick="add_list()" /><br/>
<input type='button' value='generate table of content' onclick="toc()" />
</body>
</html>

```

4)



```

<html>
    <head>
<title>
    Clock
</title>
<script>
    list=['Sunday','Monday','Tuesday','Wednesday','Thursday','Friday','Saturda
y']
    var date=new Date()
    var year=date.getFullYear()
    var month=date.getMonth()
    var day=date.getDay()
    document.querySelector('body')
    document.write(list[day])
    document.write('<br/>')
    document.write(date.getHours())

```



```

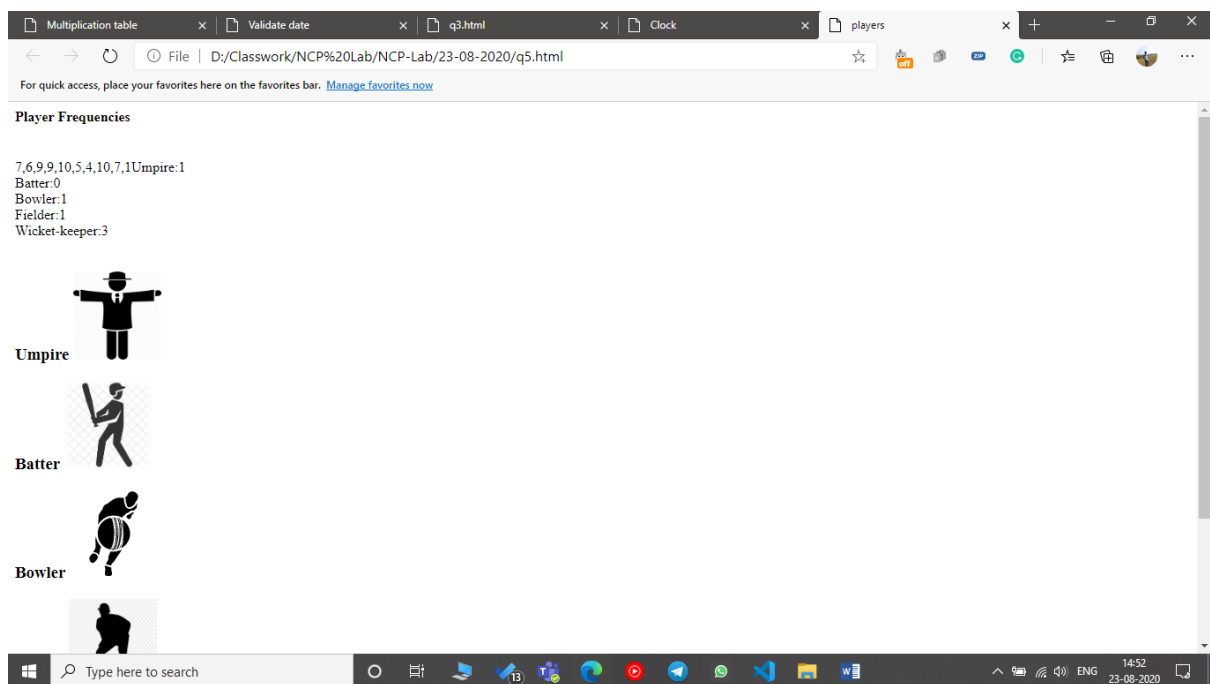
document.write(':')
document.write(" ")
document.write(date.getMinutes())
document.write(':')
document.write(" ")
document.write(date.getSeconds())
document.write('<br/>')
var date= date.getUTCDate()+"-"+date.getUTCMonth()+"-
"+date.getUTCFullYear()
document.write(date)
</script>
</head>
<body style="vertical-align: middle; text-align: center;">

</body>

</html>

```

5)



```

<html>
  <head>
    <title>
      players
    </title>
    <script>
      document.write('<h4>Player Frequencies</h4>')
      document.write('<br/>')
    </script>
  </head>
  <body>
    <table border="1">
      <thead>
        <tr>
          <th>Player Role</th>
          <th>Frequency</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>Umpire</td>
          <td>1</td>
        </tr>
        <tr>
          <td>Batter</td>
          <td>0</td>
        </tr>
        <tr>
          <td>Bowler</td>
          <td>1</td>
        </tr>
        <tr>
          <td>Fielder</td>
          <td>1</td>
        </tr>
        <tr>
          <td>Wicket-keeper</td>
          <td>3</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>

```

```

player=['Umpire','Batter','Bowler','Fielder','Wicket-keeper']
li=[]
var i=0;
while (i<10){
    li.push(Math.floor((Math.random()*10)+1))
    i+=1
}
document.write(li)
player_freq=[0,0,0,0,0]

i=0
while (i<li.length){
    if (li[i]<=5){
        player_freq[li[i]-1]+=1
    }
    else{
        player_freq[(li[i]/2)-1]+=1
    }
    i+=1
}

i=0
while(i<player_freq.length){
    document.write(player[i])
    document.write(':')
    document.write(player_freq[i])
    document.write('<br/>')
    i+=1
}
document.write('<br/>')

</script>
<style>
    img{
        height:100px;
        width: 100px;
    }
</style>
</head>
<body>

    <h3>Umpire                <img src='umpire.png' />
    </h3>
    <h3>Batter                <img src='batter.jpg' />
    </h3>
    <h3>Bowler                <img src='bowler.png' />
    </h3>
    <h3>Fielder                <img src='fielder.png' />

```

```
</h3>
```

```
<h3>Wicket-keeper
```

```
</h3>
```

```
<img src='wicket_keeper.png' />
```

```
</body>
```

```
</html>
```