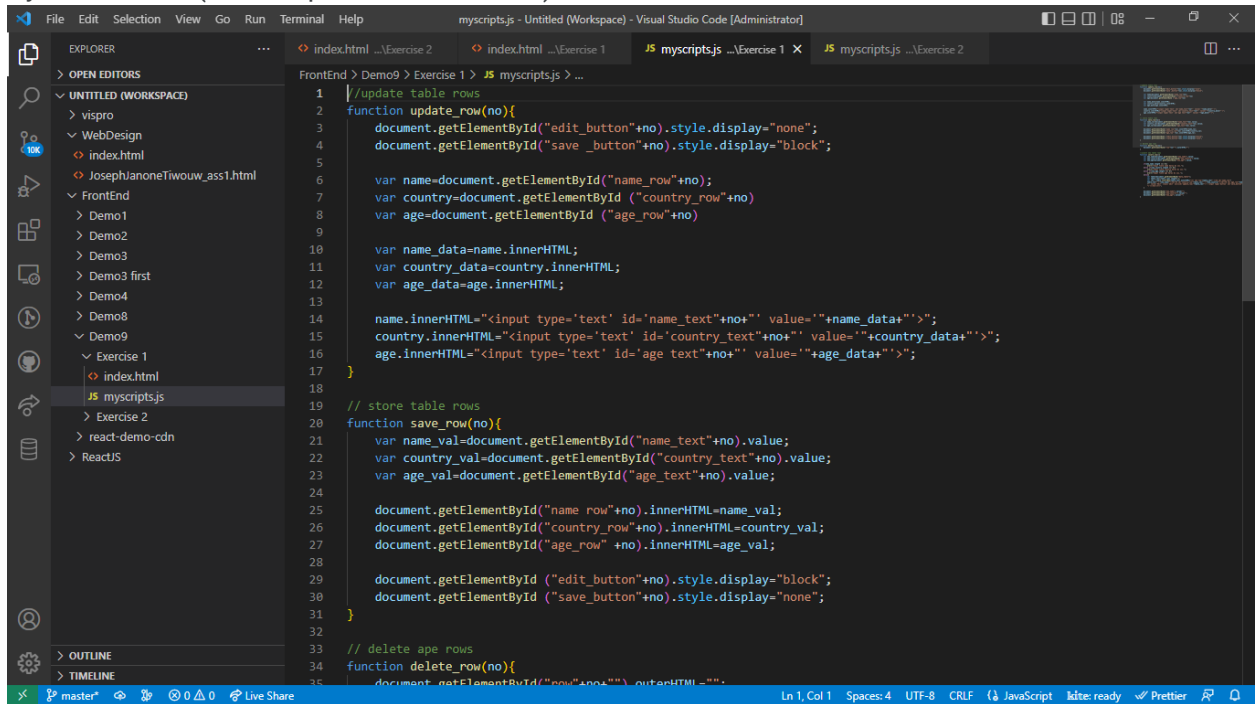
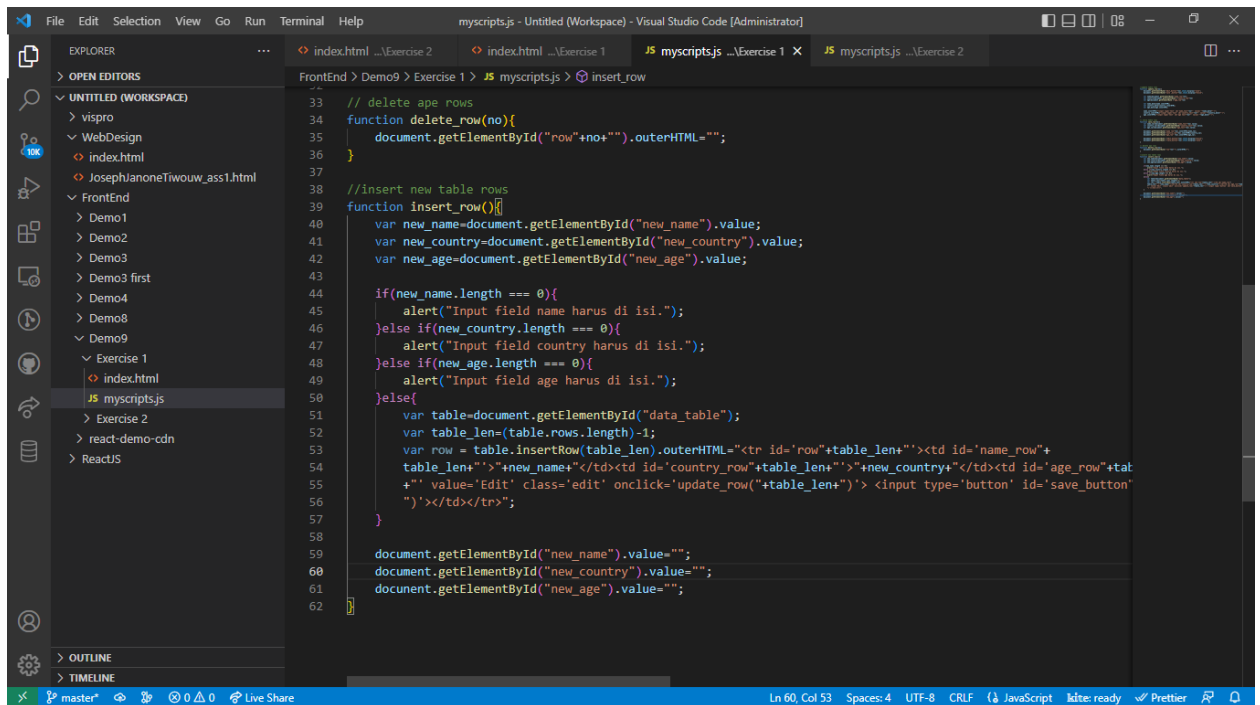


1. Dynamic table (insert, update, delete rows)



This screenshot shows the Visual Studio Code editor with a JavaScript file named 'myscripts.js'. The code defines a function 'update_row(no)' that updates the content of a table row. It uses 'document.getElementById' to find the row and its cells, and 'document.innerHTML' to update the content. The function also updates the 'edit_button' and 'save_button' styles. Below the 'update_row' function, there is a comment '// store table rows' and a function 'save_row(no)' that saves the current row's data. The status bar at the bottom indicates 'Ln 1, Col 1, Spaces: 4, UTF-8, CR/LF, JavaScript, idle: ready, Prettier'.

```
1 //update table rows
2 function update_row(no){
3     document.getElementById("edit_button"+no).style.display="none";
4     document.getElementById("save_button"+no).style.display="block";
5
6     var name=document.getElementById("name_row"+no);
7     var country=document.getElementById("country_row"+no);
8     var age=document.getElementById("age_row"+no);
9
10    var name_data=name.innerHTML;
11    var country_data=country.innerHTML;
12    var age_data=age.innerHTML;
13
14    name.innerHTML="<input type='text' id='name_text'+no+' value='"+name_data+"'>";
15    country.innerHTML="<input type='text' id='country_text'+no+' value='"+country_data+"'>";
16    age.innerHTML="<input type='text' id='age_text'+no+' value='"+age_data+"'>";
17 }
18
19 // store table rows
20 function save_row(no){
21     var name_val=document.getElementById("name_text"+no).value;
22     var country_val=document.getElementById("country_text"+no).value;
23     var age_val=document.getElementById("age_text"+no).value;
24
25     document.getElementById("name_row"+no).innerHTML=name_val;
26     document.getElementById("country_row"+no).innerHTML=country_val;
27     document.getElementById("age_row"+no).innerHTML=age_val;
28
29     document.getElementById("edit_button"+no).style.display="block";
30     document.getElementById("save_button"+no).style.display="none";
31 }
32
33 // delete ape rows
34 function delete_row(no){
35     document.getElementById("row"+no).outerHTML="";
```



This screenshot shows the Visual Studio Code editor with the same 'myscripts.js' file. The code defines a function 'insert_row()' that inserts a new row into a table. It uses 'document.getElementById' to find the new row and its cells, and 'document.innerHTML' to update the content. The function also updates the 'edit_button' and 'save_button' styles. Below the 'insert_row' function, there is a comment '// delete ape rows' and a function 'delete_row(no)' that deletes a row. The status bar at the bottom indicates 'Ln 60, Col 53, Spaces: 4, UTF-8, CR/LF, JavaScript, idle: ready, Prettier'.

```
33 // delete ape rows
34 function delete_row(no){
35     document.getElementById("row"+no).outerHTML="";
36 }
37
38 //insert new table rows
39 function insert_row(){
40     var new_name=document.getElementById("new_name").value;
41     var new_country=document.getElementById("new_country").value;
42     var new_age=document.getElementById("new_age").value;
43
44     if(new_name.length === 0){
45         alert("Input field name harus di isi.");
46     }else if(new_country.length === 0){
47         alert("Input field country harus di isi.");
48     }else if(new_age.length === 0){
49         alert("Input field age harus di isi.");
50     }else{
51         var table=document.getElementById("data_table");
52         var table_len=(table.rows.length)-1;
53         var row = table.insertRow(table_len).outerHTML="<tr id='row'+table_len+'><td id='name_row'+
54         table_len+'>"+new_name+"</td><td id='country_row'+table_len+'>"+new_country+"</td><td id='age_row'+tab
55         le_len+'>"+new_age+"</td><td id='edit'+table_len+'><input type='button' id='save_button'
56         id='edit' class='edit' onclick='update_row("+table_len+")><input type='button' id='save_button'
57         id='edit' class='edit' onclick='update_row("+table_len+")></td></tr>";
58     }
59     document.getElementById("new_name").value="";
60     document.getElementById("new_country").value="";
61     document.getElementById("new_age").value="";
62 }
```

```
File Edit Selection View Go Run Terminal Help index.html - Untitled (Workspace) - Visual Studio Code [Administrator]

EXPLORER
> OPEN EDITORS
  > UNTITLED (WORKSPACE)
    > vispro
    > WebDesign
      > index.html
      > JosephJanoneTiouw_ass1.html
    > FrontEnd
      > Demo1
      > Demo2
      > Demo3
      > Demo3 first
      > Demo4
      > Demo8
      > Demo9
        > Exercise 1
          > index.html
          > myscript.js
        > Exercise 2
      > react-demo-cdn
      > ReactJS

OUTLINE
TIMELINE

FrontEnd > Demo9 > Exercise 1 > index.html > html
1 <html>
2 <head>
3   <title>Table Dynamic</title>
4   <script type="text/javascript" src="myscript.js"></script>
5 </head>
6 <body>
7   <div id="wrapper">
8     <table align="center" cellpadding=5 id="data_table" border=1>
9       <tr>
10        <th>Name</th>
11        <th>country</th>
12        <th>Age</th>
13      </tr>
14
15      <tr id="row1">
16        <td id="name_row1">Semmy Taju</td>
17        <td id="country_row1">Indonesia</td>
18        <td id="age_row1">30</td>
19      </tr>
20
21      <tr id="row2">
22        <td id="name_row2">Eugenia Lamansi</td>
23        <td id="country_row2">Taiwan</td>
24        <td id="age_row2">21</td>
25      </tr>
26
27      <tr id="row3">
28        <td id="name_row3">
29          <input type="text" id="new_name">
30        </td>
31        <td id="country_row3">
32          <input type="text" id="new_country">
33        </td>
34        <td id="age_row3">
35          <input type="text" id="new_age">
36        </td>
37      </tr>
38    </table>
39  </div>
40 </body>
41 </html>
```

```
File Edit Selection View Go Run Terminal Help index.html - Untitled (Workspace) - Visual Studio Code [Administrator]

EXPLORER
> OPEN EDITORS
  > UNTITLED (WORKSPACE)
    > vispro
    > WebDesign
      > index.html
      > JosephJanoneTiouw_ass1.html
    > FrontEnd
      > Demo1
      > Demo2
      > Demo3
      > Demo3 first
      > Demo4
      > Demo8
      > Demo9
        > Exercise 1
          > index.html
          > myscript.js
        > Exercise 2
      > react-demo-cdn
      > ReactJS

OUTLINE
TIMELINE

FrontEnd > Demo9 > Exercise 1 > index.html > html
13 </tr>
14
15 <tr id="row1">
16   <td id="name_row1">Semmy Taju</td>
17   <td id="country_row1">Indonesia</td>
18   <td id="age_row1">30</td>
19 </tr>
20
21 <tr id="row2">
22   <td id="name_row2">Eugenia Lamansi</td>
23   <td id="country_row2">Taiwan</td>
24   <td id="age_row2">21</td>
25 </tr>
26
27 <tr id="row3">
28   <td id="name_row3">
29     <input type="text" id="new_name">
30   </td>
31   <td id="country_row3">
32     <input type="text" id="new_country">
33   </td>
34   <td id="age_row3">
35     <input type="text" id="new_age">
36   </td>
37 </tr>
38 </table>
39 </div>
40 </body>
41 </html>
```

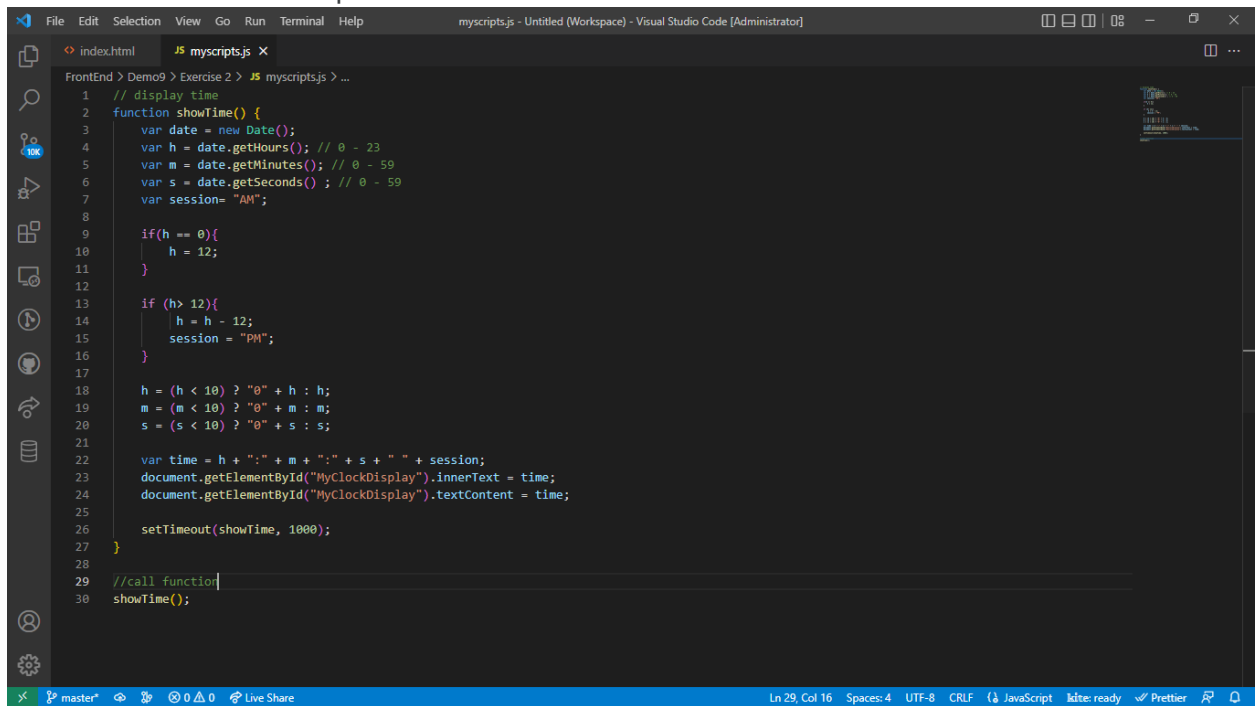
Output

Submit Exercise Lecture #9Digital ClockTable Dynamic

File | C:/Users/hp/OneDrive/Desktop/FrontEnd/Demo9/Exercise%201/index.html

Name	country	Age	
Semmy Taju	Indonesia	30	Edit Save Delete
Eugenia Lamansiang	Taiwan	21	Edit Save Delete
Joseph Janone Tiwouw	Bangladesh	20	Edit Save Delete
		20	Add Row

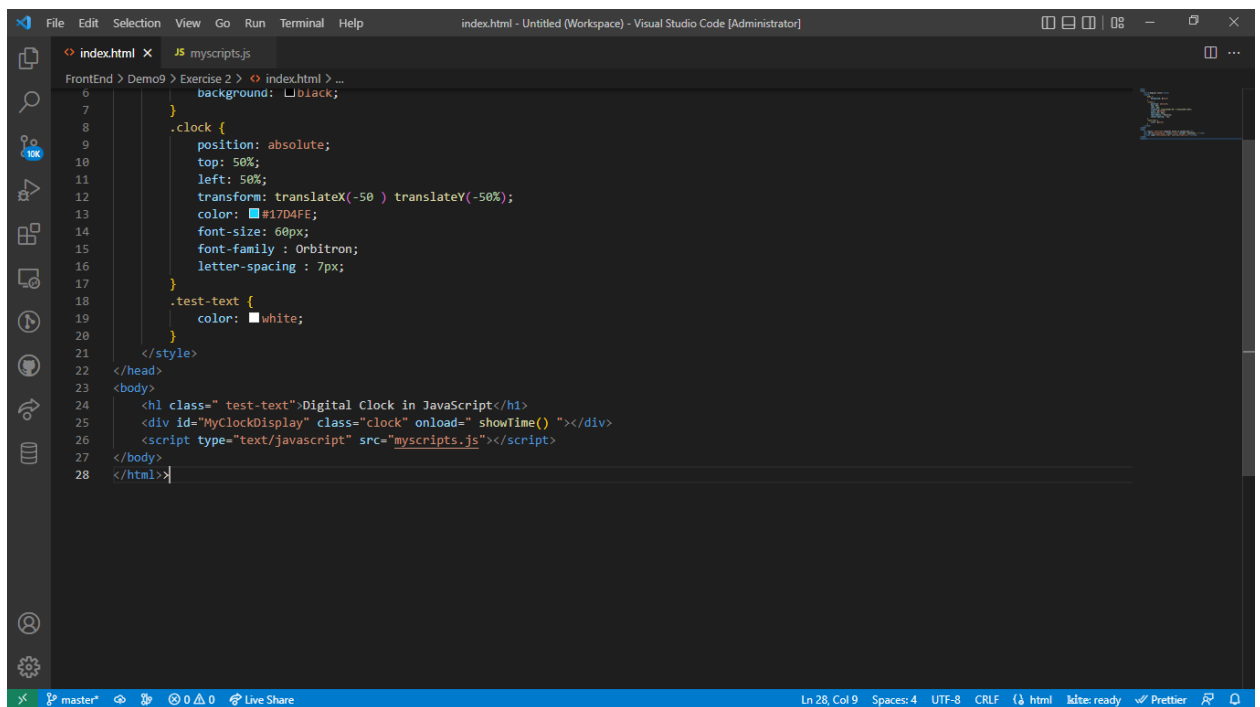
2. Clock/timer with JavaScript



```
File Edit Selection View Go Run Terminal Help
myscripts.js - Untitled (Workspace) - Visual Studio Code [Administrator]

index.html x JS myscripts.js x
FrontEnd > Demo9 > Exercise 2 > JS myscripts.js > ...
1 // display time
2 function showTime() {
3     var date = new Date();
4     var h = date.getHours(); // 0 - 23
5     var m = date.getMinutes(); // 0 - 59
6     var s = date.getSeconds(); // 0 - 59
7     var session= "AM";
8
9     if(h == 0){
10         h = 12;
11     }
12
13     if (h > 12){
14         h = h - 12;
15         session = "PM";
16     }
17
18     h = (h < 10) ? "0" + h : h;
19     m = (m < 10) ? "0" + m : m;
20     s = (s < 10) ? "0" + s : s;
21
22     var time = h + ":" + m + ":" + s + " " + session;
23     document.getElementById("MyClockDisplay").innerText = time;
24     document.getElementById("MyClockDisplay").textContent = time;
25
26     setTimeout(showTime, 1000);
27 }
28
29 //call function
30 showTime();
```

Ln 29, Col 16 Spaces: 4 UTF-8 CRLF JavaScript idle: ready Prettier



```
File Edit Selection View Go Run Terminal Help
index.html - Untitled (Workspace) - Visual Studio Code [Administrator]

index.html x JS myscripts.js
FrontEnd > Demo9 > Exercise 2 > index.html > ...
6     background: black;
7
8
9     .clock {
10         position: absolute;
11         top: 50%;
12         left: 50%;
13         transform: translateX(-50%) translateY(-50%);
14         color: #17D4FE;
15         font-size: 60px;
16         font-family : Orbitron;
17         letter-spacing : 7px;
18     }
19     .test-text {
20         color: white;
21     }
22 </style>
23 </head>
24 <body>
25     <h1 class=" test-text">Digital Clock in JavaScript</h1>
26     <div id="MyClockDisplay" class="clock" onload=" showTime()" "></div>
27     <script type="text/javascript" src="myscripts.js"></script>
28 </body>
29 </html>
```

Ln 28, Col 9 Spaces: 4 UTF-8 CRLF html idle: ready Prettier

Output

