

CONCEPT BUILDER

 Result & Analysis

Summary **Sections**

1 MCQ (15)

What is used to iterate a set of elements within a JavaScript array?

- While Loop
- Switch-Case Loop
- Do-While Loop
- For Loop

Status **Correct** | Mark obtained **1/1** | Hints used **0** | Level **Easy** | Question ty

Type here to search



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 Result & Analysis

Summary

Sections

1 MCQ (15)

What is used to display a group of related elements in a web page?

Label

Fieldset



Legend

Button

Status **Correct**

Mark obtained

1/1

Hints used 0

Level **Easy**

Question type

Type here to search



LENOVO

FnLk

F1

音 - F2

音 + F3

亮度 - F4

亮度 - F5

亮度 + F6

亮度 - F7

亮度 + F8

Result & Analysis

Summary

Sections

1 MCQ (15)

What are used to provide the user a choice between multiple options in a web page?

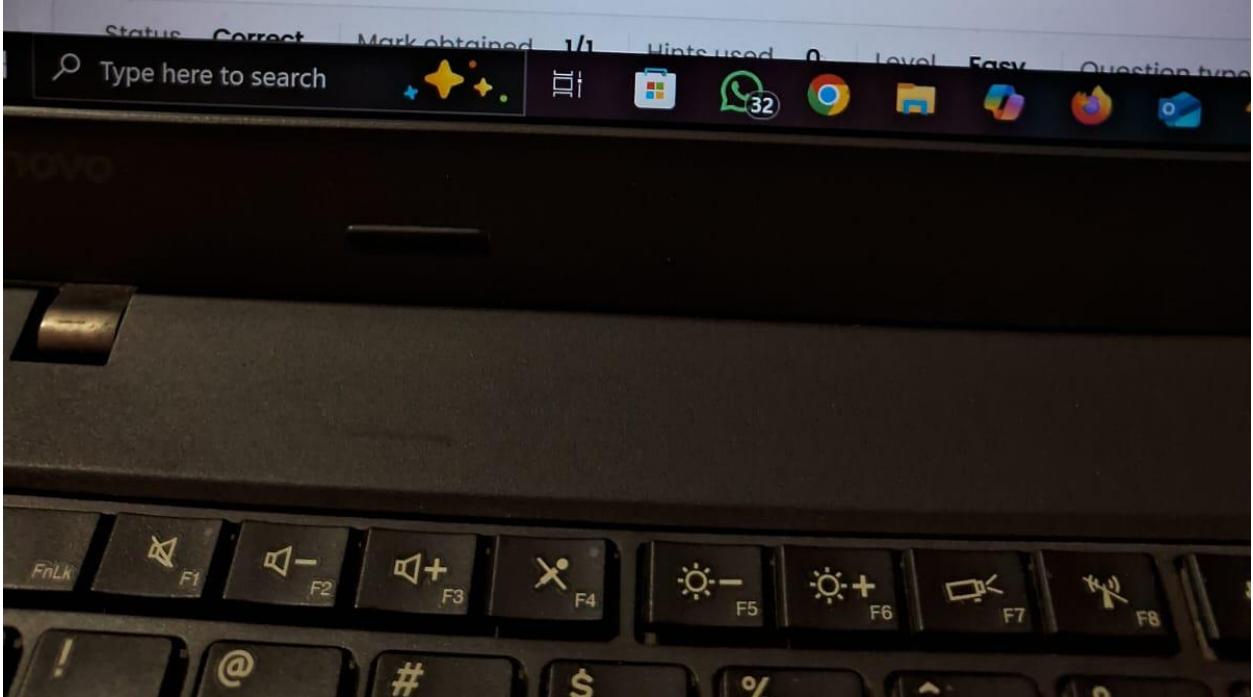
Checkboxes

Push Buttons

Radio Buttons



Pull Buttons



Result & Analysis

Summary

Sections

1 MCQ (15)

Which of the following is an advantage of using radio buttons?

You cannot select any options

You can select multiple options

You can select only one option at a time



You can select and unselect options



Summary Sections

1 MCQ (15)

What is the purpose of using 'innerHTML' in JavaScript?

- To concatenate two HTML elements
- To remove the content of an HTML element
- To style an HTML element
- To replace the content of an HTML element

Type here to search

FnLk F1 F2 F3 F4 F5 F6 F7 F8

! @ # \$ % &

The image shows a computer monitor displaying a web-based quiz interface. At the top, there are tabs for 'Summary' and 'Sections', with 'Sections' being the active tab. Below this, it says '1 MCQ (15)'. The main question is 'What is the purpose of using 'innerHTML' in JavaScript?'. Four options are listed: 'To concatenate two HTML elements', 'To remove the content of an HTML element', 'To style an HTML element', and 'To replace the content of an HTML element'. The fourth option is selected and highlighted with a green background and a white checkmark. Below the screen, the Windows taskbar is visible, featuring the Start button, a search bar with placeholder text 'Type here to search', and icons for File Explorer, Microsoft Edge, and other system apps. The keyboard is partially visible at the bottom of the frame.

Result & Analysis

Summary

Sections

1 MCQ (15)

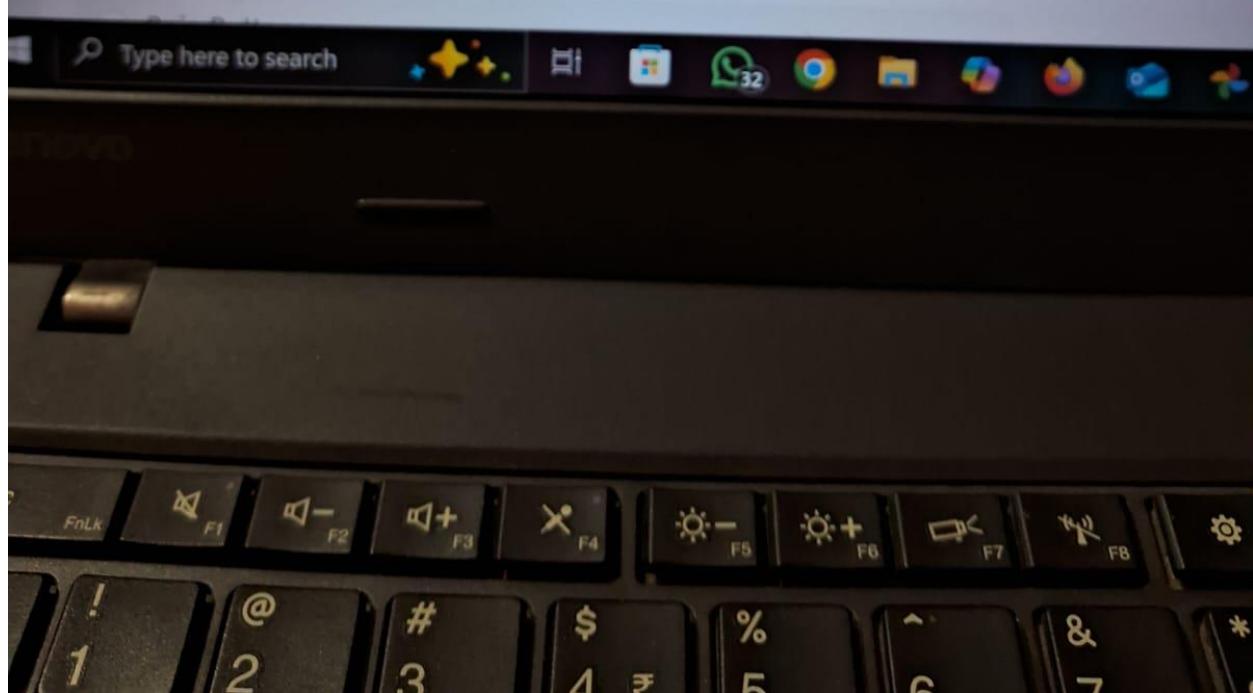
Multi Choice Type Question

What are used to provide the user a way to select multiple options in a web page?

Option Buttons

Checkboxes

Radio Buttons



Result & Analysis

Summary

Sections

1 MCQ (15)

Multi Choice Type Question

What is the primary purpose of an external JavaScript file in HTML?

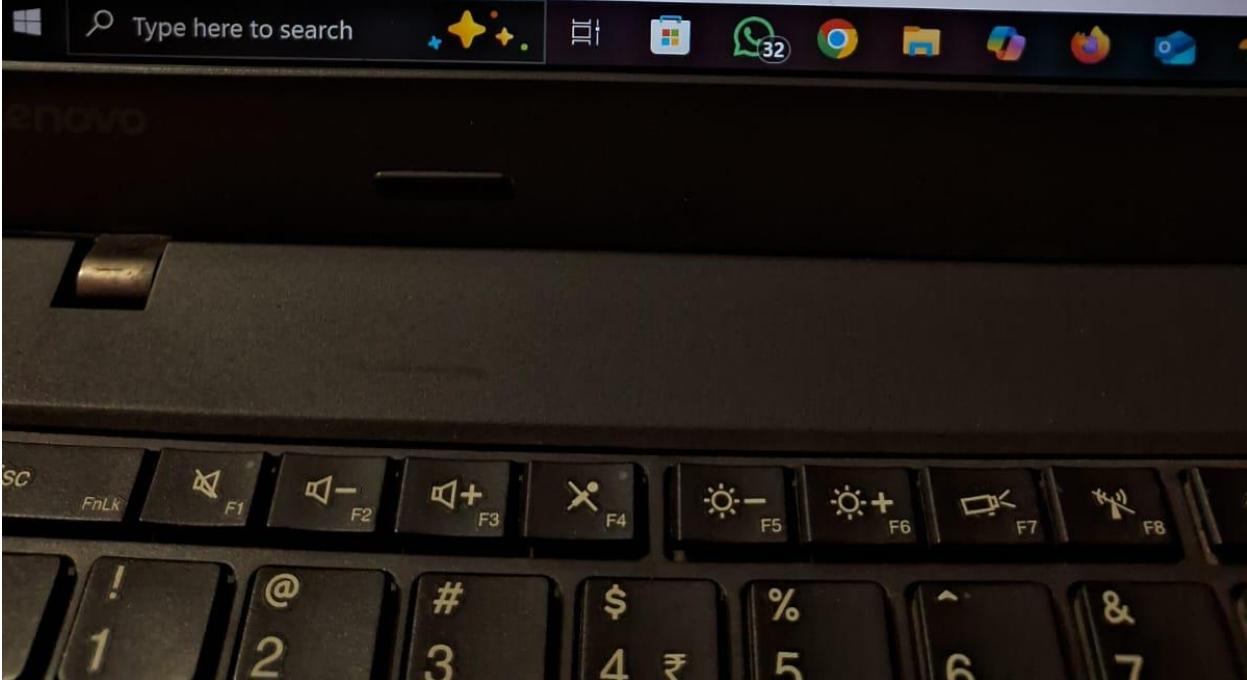
To fetch data from a database

To separate main programming logic from HTML



To create interactive web forms

To style the page





Result & Analysis

Summary

Sections

1 MCQ (15)

Multi Choice Type Question

What is used to iterate a set of instructions within a JavaScript loop?

If-else statement

For-In Loop



Do-While Loop



Switch-case statement

Type here to search



Computer & Analysis

Summary Sections

1 MCQ (15)

What is the purpose of a 'do-while' loop in JavaScript?

To repeatedly execute a block of code until a specific condition is met ✓

To halt the execution of a block of code until a specific condition is met

To repeat a block of code indefinitely

To skip the execution of a block of code until a specific condition is met

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FnLK F1 F2 F3 F4 F5 F6 F7 F8

! @ # \$ % ^ & * 1 2 3 4 ₹ 5 6 7 8

Result & Analysis

Summary

Sections

1 MCQ (15)

Multi Choice Type Question

What are used to allow users to make a selection from multiple options in a web page?

Radio Buttons



Checkboxes



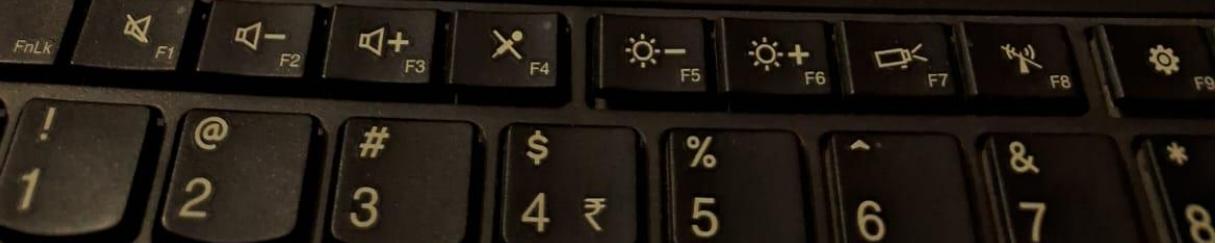
Input Boxes

Select Boxes

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Result & Analysis

Summary **Sections**

1 MCQ (15)

Multi Choice Type Question

What is the purpose of a <caption> tag in HTML?

- To add a description to a image
- To add a title to a paragraph
- To add a title/caption to a table

Type here to search

FnLk F1 F2 F3 F4 F5 F6 F7 F8 F9

! @ # \$ % ^ & * 1 2 3 4 ₹ 5 6 7 8

Result & Analysis

Summary

Sections

1 MCQ (15)

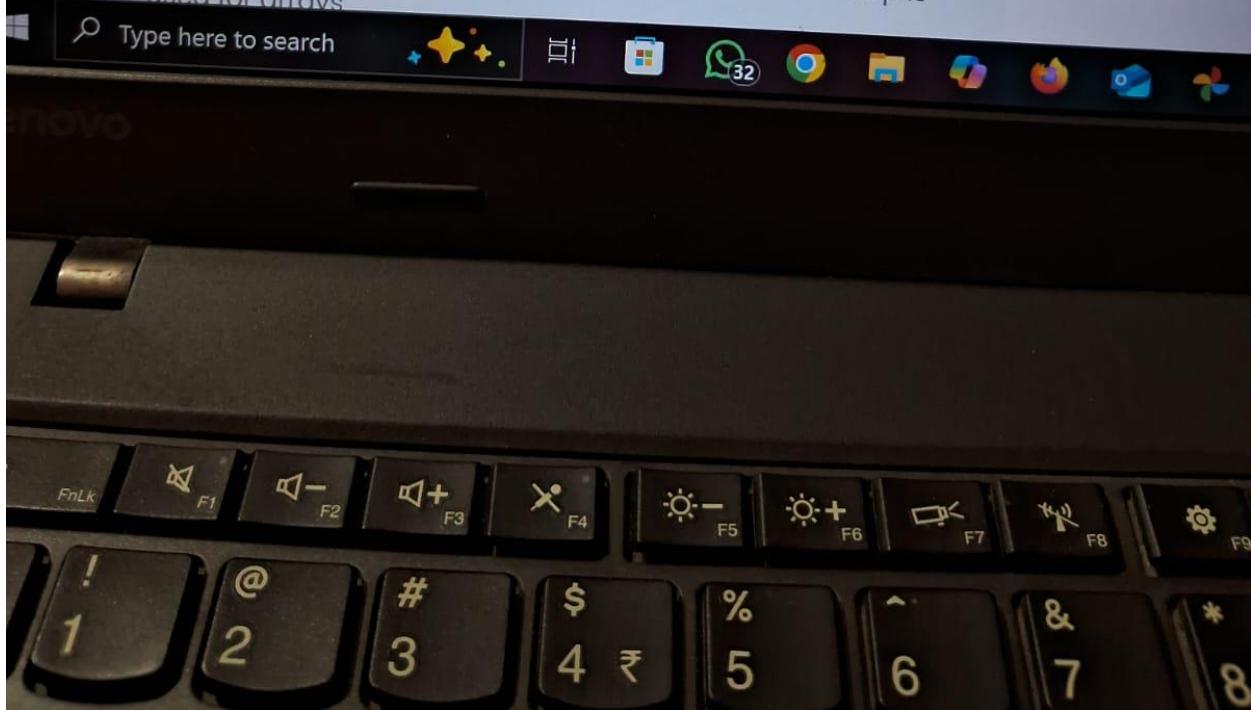
What is the difference between a 'for' loop and a 'while' loop in JavaScript?

A 'for' loop is used for arrays and a 'while' loop is used for dynamic elements

A 'for' loop is generally used when the number of iterations is known; a 'while' loop is used when it is not known beforehand.

A 'for' loop is used for arrays and a 'while' loop is used for strings

A 'for' loop is used for dynamic elements and a 'while' loop is used for arrays



 Result & Analysis

Summary

Sections

1 MCQ (15)

What is the use of the 'break' statement in a 'while' loop in JavaScript?

- To skip the rest of the iterations of the loop
- To continue the execution of the loop
- To start the execution of the loop from the beginning

To exit the loop



Status

Correct

Mark obtained

1/1

Hints used

0

Level

Medium

Question type



Type here to search



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Esc

FnLk



F1



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F2



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F3



F4



F5



F6



F7



F8



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Summary

Sections

1 MCQ (15)

Multi Choice Type Question

What is used to illustrate the purpose of a set of form elements?

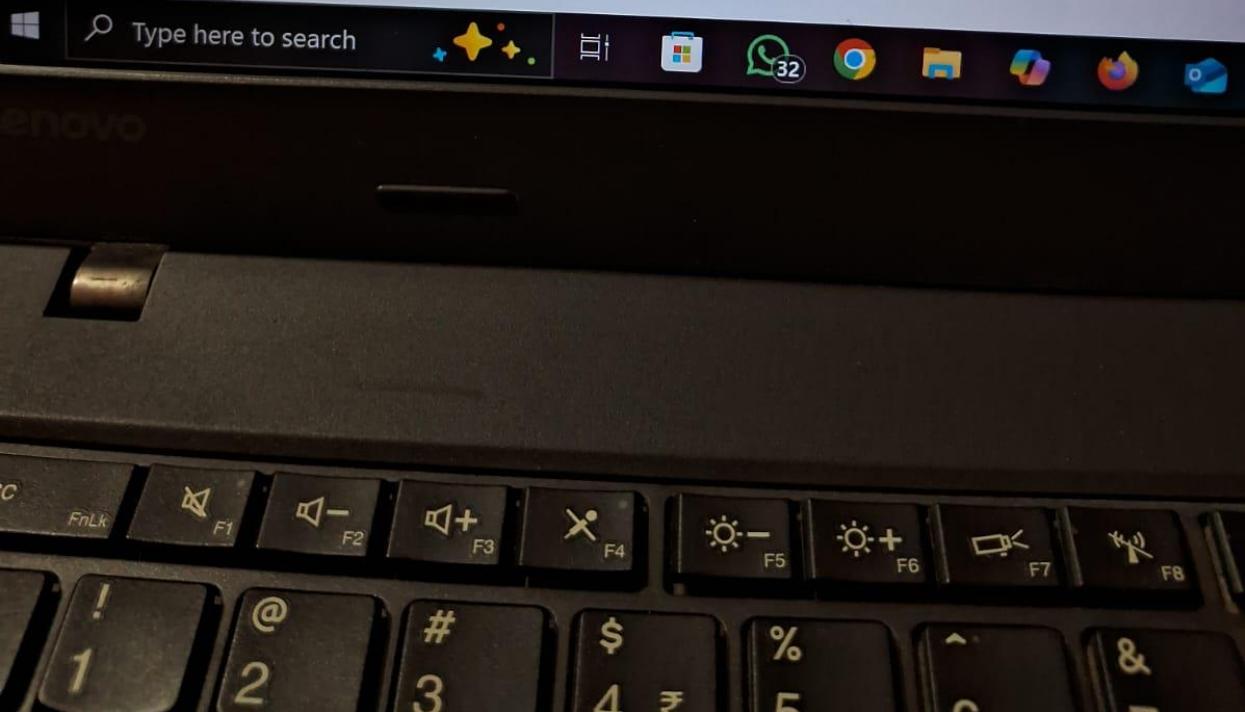
Label

Legend



Fieldset

Div



Summary

Sections

1 MCQ (15)

Multi Choice Type Question

What is the purpose of using an external JavaScript file?

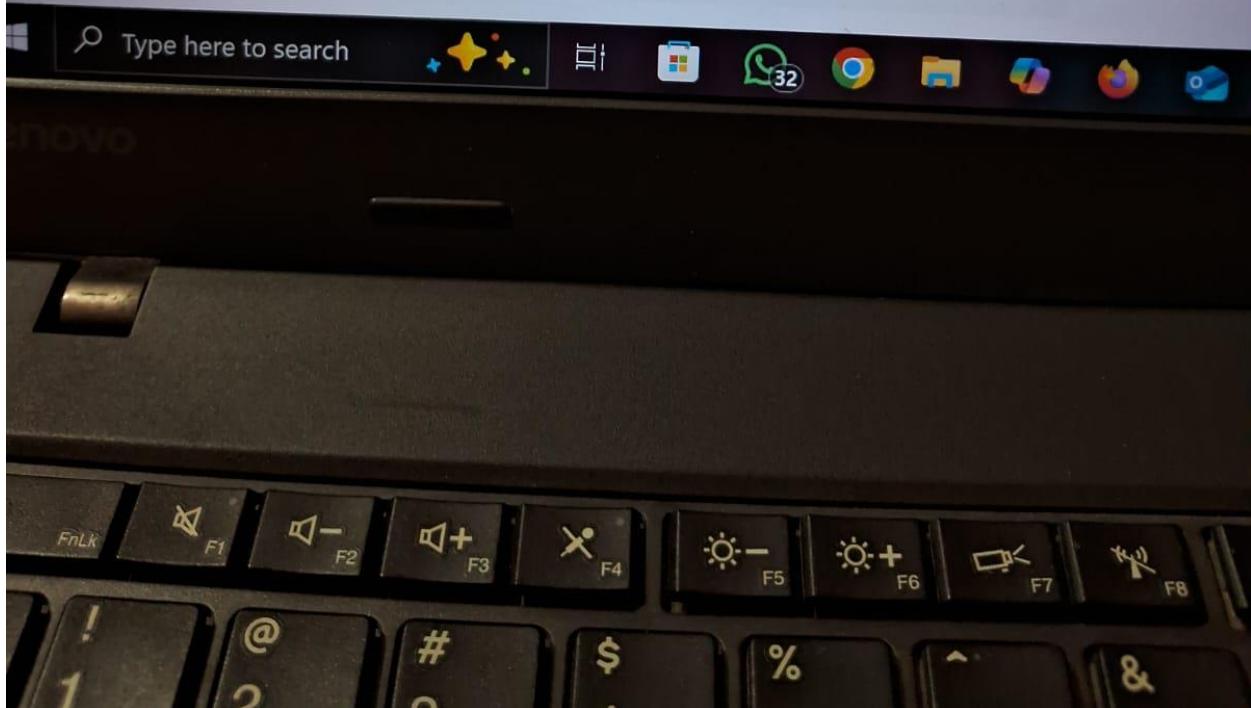
To separate presentation and content logic in the code



To make the webpage compatible with different browsers

To reduce the loading time of the webpage

To improve the functionality of the webpage



TYPE THE CODE

The screenshot shows a code editor interface with three tabs: index.html, # style.css, and JS script.js. The index.html tab is active and displays the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7     <title>Building Material Inventory Management System</title>
8     <link rel="stylesheet" href="./style.css"/>
9
10 </head>
11 <body>
12     <main class="container">
13         <section class="card">
14             <h3>Building Material Inventory</h3>
15             <form id="materialForm" novalidate>
16                 <div class="field">
17                     <label for="materialName">Material Name:</label>
18                     <input type="text" id="materialName" placeholder="Enter material name"/>
19                 </div>
20                 <div class="field">
21                     <label for="category">Material Category:</label>
22                     <select id="category">
23                         <option value="Wood">Wood</option>
24                         <option value="Cement">Cement</option>
25                         <option value="Steel">Steel</option>
26                         <option value="Bricks">Bricks</option>
27                         <option value="Glass">Glass</option>
28                     </select>
29             </div>
```

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workspace

index.html style.css script.js

```
public > index.html > html > body > main.container > section.card > div.table-wrap > table#materialTable > tbody > tr > td > select#category > option#Wood > option#Cement > option#Steel > option#Bricks > option#Glass > /select > /div > div.field > label#quantity > input#quantity > /div > div.field > label#supplierName > input#supplierName > /div > div.field > label#costPerUnit > input#costPerUnit > /div > button#addMaterialBtn > Submit Material > /button > span#error-message > /span > /form > h4.subheading > div.table-wrap > table#materialTable > /thead > /tbody > /table > /div > /section > /main > /body > /html
```

Ln 60, Col 13

F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 Hor

The screenshot shows a code editor interface with three tabs: index.html, style.css, and script.js. The index.html tab is active and displays the following HTML code:

```
public > index.html > # style.css      JS script.js

</form>
<h4 class="subheading">Material List:</h4>
<div class="table-wrap">
  <table id="materialTable">
    <thead>
      <tr>
        <th>Material Name</th>
        <th>Category</th>
        <th>Quantity</th>
        <th>Supplier</th>
        <th>Cost Per Unit (RS)</th>
      </tr>
    </thead>
    <tbody>
    </tbody>
  </table>
</div>
<section class="summary">
  <h4 class="subheading">Inventory Summary:</h4>
  <p>Total Products: <span id="totalProducts">0</span></p>
  <p>Most Expensive Product: <span id="mostExpensive">None</span></p>
</section>
</main>
<script src=".//script.js"></script>
```

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← → 🔍 workspace

index.html # style.css script.js

```
public > index.html > html > body > main.container > section.card > div.table-wrap > table
59     <tbody>
60
61     </tbody>
62     </table>
63 </div>
64 <section class="summary">
65     <h4 class="subheading">Inventory Summary:</h4>
66     <p>Total Products: <span id="totalProducts">0</span></p>
67     <p>Most Expensive Product: <span id="mostExpensive">None</span></p>
68 </section>
69 </section>
70 </main>
71 <script src="./script.js"></script>
72
73
74 </body>
75 </html>
```

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← → 🔍 workspace

.. index.html # style.css X JS script.js

```
public > # style.css > .summary
  1 * {
  2   margin:0;
  3   padding:0;
  4   box-sizing: border-box;
  5 }
  6 body {
  7   font-family: Arial, sans-serif;
  8   background-color: #f7f7f7;
  9   padding: 20px;
 10 }
 11 .container {
 12   display: flex;
 13   justify-content: center;
 14   align-items: flex-start;
 15 }
 16 .card {
 17   background-color: white;
 18   padding: 20px;
 19   border-radius: 6px;
 20   box-shadow: 0 2px 6px rgba(0,0,0,0.1);
 21   width: 400px;
 22 }
 23 h3{
 24   text-align: center;
 25   margin-bottom: 20px;
 26 }
 27 .subheading{
 28   margin-top: 20px;
 29   margin-bottom: 10px;
```

A screenshot of a code editor window titled "style.css". The window shows a CSS file with various styles defined for different elements like h3, .subheading, .field, label, input, select, and #addMaterialBtn. The code is well-organized with proper indentation and styling. The editor interface includes tabs for index.html, style.css, and script.js, and a status bar at the top.

```
public > # style.css > .summary
22 }
23 h3{
24     text-align: center;
25     margin-bottom: 20px;
26 }
27 .subheading{
28     margin-top: 20px;
29     margin-bottom: 10px;
30 }
31 .field{
32     margin-bottom: 15px;
33 }
34 label{
35     display: block;
36     font-weight: bold;
37     margin-bottom: 5px;
38 }
39 input,
40 select{
41     width: 100%;
42     padding: 8px;
43     border: 1px solid #ccc;
44     border-radius: 4px;
45 }
46 #addMaterialBtn{
47     width: 100%;
48     padding: 10px;
49     border: none;
50     color: white;
```

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index.html style.css script.js

```
public > # style.css > .summary
43     border: 1px solid #ccc;
44     border-radius: 4px;
45 }
46 #addMaterialBtn{
47     width: 100%;
48     padding: 10px;
49     border: none;
50     color: white;
51     font-weight: bold;
52     font-size: 16px;
53     cursor: pointer;
54     border-radius: 4px;
55 }
56 #addMaterialBtn:hover{
57     opacity: 0.9;
58 }
59 .error{
60     display: block;
61     color: red;
62     margin-top: 10px;
63     font-weight: bold;
64 }
65 .table-wrap{
66     overflow-x: auto;
67 }
68 table{
69     width: 100%;
70     border-collapse: collapse;
71 }
```

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← → workspace

... index.html # style.css X script.js

```
public > # style.css > .summary
  margin-top: 10px;
  font-weight: bold;
}

.table-wrap{
  overflow-x: auto;
}

table{
  width: 100%;
  border-collapse: collapse;
}

th,
td{
  padding: 8px;
  text-align: center;
  border: 1px solid #ddd;
}

th{
  background-color: #4CAF50;
  color: white;
}

.summary{
  margin-top: 5px;
}
```

A screenshot of a code editor window titled "script.js". The window shows a snippet of JavaScript code for a form validation function. The code uses document.getElementById to select input fields and then performs various checks like trim() on their values and ensures they are positive numbers before adding them to an array named "materials".

```
public > JS scriptjs > renderTable > materials.forEach() callback
1 const materialNameInput=document.getElementById("materialName");
2 const categoryInput=document.getElementById("category");
3 const quantityInput=document.getElementById("quantity");
4 const supplierNameInput=document.getElementById("supplierName");
5 const costPerUnitInput=document.getElementById("costPerUnit");
6 const addMaterialBtn=document.getElementById("addMaterialBtn");
7 const errorMessage=document.getElementById("error-message");
8 const materialTableBody=document.getElementById("materialTable").querySelector("tbody");
9 const totalProductsSpan=document.getElementById("totalProducts");
10 const mostExpensiveSpan=document.getElementById("mostExpensive");
11 let materials=[];
12 addMaterialBtn.addEventListener("click",() =>{
13     const name=materialNameInput.value.trim();
14     const category=categoryInput.value;
15     const quantity=quantityInput.value.trim();
16     const supplier=supplierNameInput.value.trim();
17     const cost=costPerUnitInput.value.trim();
18     if (!name || !category || !quantity || !supplier || !cost){
19         errorMessage.textContent="Please fill out all fields!";
20         return;
21     }
22     if (Number(quantity)<=0 || Number(cost)<=0){
23         errorMessage.textContent="Quantity and cost must be positive numbers!";
24         return;
25     }
26     errorMessage.textContent="";
27     const material={
28         name,
29         category,
30         quantity,
31         supplier,
32         cost
33     };
34     materials.push(material);
35     updateTable();
36     calculateTotals();
37 });
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```

A screenshot of a code editor window titled "script.js". The window shows a snippet of JavaScript code. The code includes logic to validate input values (quantity and cost must be positive numbers), create a material object, push it into an array, and then render a table row for each material. The code uses template literals for the table row construction.

```
public > JS script.js > renderTable > materials.forEach() callback
22     if (Number(quantity)<=0 || Number(cost)<=0){
23         errorMessage.textContent="Quantity and cost must be positive numbers!";
24         return;
25     }
26     errorMessage.textContent="";
27     const material={
28         name,
29         category,
30         quantity: Number(quantity),
31         supplier,
32         cost: Number(cost)
33     };
34     materials.push(material);
35     renderTable();
36     updateSummary();
37     materialNameInput.value="";
38     categoryInput.value="Wood";
39     quantityInput.value="";
40     supplierNameInput.value="";
41     costPerUnitInput.value="";
42 });
43 function renderTable() {
44     materialTableBody.innerHTML="";
45     materials.forEach(mat => {
46         const row=document.createElement("tr");
47         row.innerHTML=` ${mat.name}</td> 48             <td>${mat.category}</td> 49             <td>${mat.quantity}</td> |
```

A screenshot of a laptop screen displaying a code editor. The editor shows a file named `script.js` with the following content:

```
public > JS script.js > renderTable > materials.forEach() callback
40     supplierNameInput.value= ,
41     costPerUnitInput.value="";
42 );
43 function renderTable() {
44     materialTableBody.innerHTML="";
45     materials.forEach(mat => {
46         const row=document.createElement("tr");
47         row.innerHTML=
48             <td>${mat.name}</td>
49             <td>${mat.category}</td>
50             <td>${mat.quantity}</td>
51             <td>${mat.supplier}</td>
52             <td>RS ${mat.cost.toFixed(2)}</td>
53         ;
54         materialTableBody.appendChild(row);
55     });
56 }
57 function updateSummary() {
58     totalProductsSpan.textContent=materials.length;
59     if(materials.length>0){
60         let expensiveMaterial=materials.reduce((prev,current)=>
61             current.cost > prev.cost ? current : prev
62         );
63         mostExpensiveSpan.textContent=`${expensiveMaterial.name} (RS ${expensiveMaterial.cost.toFixed(2)})`;
64     }else{
65         mostExpensiveSpan.textContent="None";
66     }
67 }
68 }
```

The code implements a `renderTable` function that creates an HTML table from an array of `material` objects. It uses template literals to build the table rows. The `updateSummary` function finds the most expensive material and updates a summary span with its name and cost.

PRACTICE AT HOME 1

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index.html script.js style.css

```
public > index.html > html > body > div.container > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet" href="style.css">
8      <title>Habit Tracker</title>
9  </head>
10 <body>
11     <div class="container">
12         <h1>Habit Tracker</h1>
13         <div class="habit">
14             <input type="checkbox" id="chkWater">
15             <label for="chkWater">Drink Water</label>
16         </div>
17         <div class="habit">
18             <input type="checkbox" id="chkExercise">
19             <label for="chkExercise">Exercise</label>
20         </div>
21         <div class="habit">
22             <input type="checkbox" id="chkReading">
23             <label for="chkReading">Read a Book</label>
24         </div>
25         <button id="mark-progress">Mark Progress</button>
26         <button id="reset-progress">Reset</button>
27         <p id="summary">You have completed 0 habits today.</p>
28     </div>
29     <script src="script.js"></script>
30 </body>
31 </html>
```

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The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for "index.html", "script.js", "# style.css", and a closed tab. A search bar labeled "workspace" is located at the top right. The main area displays a CSS file named "style.css". The code includes styles for a body, container, h1, habit, button, and two progress-related classes.

```
public > # style.css > ↵ #reset-progress
1 body{
2     background-color: #f7f7f7;
3     display: flex;
4     justify-content: center;
5     align-items: center;
6     height:100vh;
7     margin:0;
8 }
9 .container{
10     background-color: white;
11     padding:25px;
12     border-radius: 10px;
13     box-shadow: 0 0 10px rgba(0,0 green,0 blue,0.1 alpha);
14     width: 300px;
15     text-align: center;
16 }
17 h1{
18     margin-bottom: 20px;
19 }
20 .habit{
21     display: flex;
22     align-items: center;
23     margin:8px;
24     font-size: 16px;
25 }
26 button{
27     padding:10px 15px;
28     margin:10px;
29     border:none;
30     border-radius: 5px;
31     color: white;
32     font-size: 14px;
33 }
34 #mark-progress{
35     background-color: #rgb(41,168,71);
36 }
37 #reset-progress{
38     background-color: red;
39 }
```

The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for 'index.html', 'script.js' (which is currently selected), and '# style.css'. To the right of the tabs is a 'workspace' button. The main area contains the following JavaScript code:

```
public > JS script.js > ...
1 const checkboxes=document.querySelectorAll('input[type="checkbox"]');
2 const summary=document.getElementById('summary');
3 const markBtn=document.getElementById('mark-progress');
4 const resetBtn=document.getElementById('reset-progress');
5 markBtn.addEventListener('click',()=>{
6     let count=0;
7     checkboxes.forEach (box=> {
8         if(box.checked){
9             count++;
10        }
11    });
12    summary.textContent=`You have completed ${count} habits today.`;
13 };
14 resetBtn.addEventListener('click',()=>{
15     let count=0;
16     checkboxes.forEach (box=>box.checked=false);
17     summary.textContent=`You have completed ${count} habits today.`;
18});
```

PRACTICE AT HOME 2

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workspace

index.html X styles.css script.js MongoDB

```
public > index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Multiplication Table Generator</title>
8      <link rel="stylesheet" href="styles.css">
9  </head>
10 <body>
11     <div class="container">
12         <h3>Multiplication Table Generator</h3>
13         <label for="number">Enter a number:</label>
14         <input type="number" id="number" placeholder="Enter a number">
15         <label for="start">Start Value:</label>
16         <input type="number" id="start" placeholder="Start of range">
17         <label for="end">End Value:</label>
18         <input type="number" id="end" placeholder="End of range">
19         <button type="button" id="generateBtn">Generate Table</button>
20         <div id="errormessage"></div>
21         <div id="table"></div>
22     </div>
23     <script src="script.js"></script>
24 </body>
25 </html>
```

The screenshot shows a code editor interface with the following details:

- Toolbar:** Includes back, forward, and workspace navigation buttons.
- Project Explorer:** Shows files: index.html, # styles.css (selected), script.js, and MongoDB.
- Code Editor:** Displays the CSS code for index.html. The code defines styles for the body, container, h3, label, and input elements.

```
public > # styles.css > button:hover
1  body{
2      font-family: Arial, sans-serif;
3      display: flex;
4      justify-content: center;
5      align-items: center;
6      height: 100vh;
7      background-color: #f9f9f9;
8  }
9  .container{
10     background: white;
11     padding: 20px;
12     border-radius: 8px;
13     box-shadow: 0 0 10px rgba(0,0,0,0.1);
14     width: 300px;
15 }
16 h3{
17     text-align: center;
18 }
19 label{
20     display: block;
21     margin-top: 10px;
22 }
23 input{
24     width: 100%;
25     padding: 8px;
26     margin-top: 5px;
27     border: 1px solid #ccc;
28     border-radius: 5px;
29 }
```

A screenshot of a code editor window showing a file named "styles.css". The window includes a header with navigation icons, a search bar labeled "workspace", and tabs for "index.html", "styles.css", "script.js", and "MongoDB". The code in "styles.css" is as follows:

```
public > # styles.css > button:hover
22 }
23 input{
24     width: 100%;
25     padding: 8px;
26     margin-top: 5px;
27     border: 1px solid #ccc;
28     border-radius: 5px;
29 }
30 button{
31     background-color: #rgb(77,176,80);
32     color: white;
33     padding: 10px;
34     border: none;
35     border-radius: 5px;
36     width: 100%;
37     margin-top: 15px;
38     cursor: pointer;
39     font-size: 16px;
40 }
41 button:hover{
42     background-color: #rgb(60,150,65);
43 }
44 #errormessage{
45     color: red;
46     margin-top: 10px;
47     text-align: center;
48 }
49 #table{
50     margin-top: 15px.
```

The screenshot shows a code editor interface with a dark theme. At the top, there are tabs for "index.html", "# styles.css", "script.js", and "MongoDB". A search bar labeled "workspace" is located at the top right. The main area displays the following CSS code:

```
public > # styles.css > button:hover
38     cursor: pointer;
39     font-size: 16px;
40 }
41 button:hover{
42     background-color: #rgb(60,150,65);
43 }
44 #errormessage{
45     color: red;
46     margin-top: 10px;
47     text-align: center;
48 }
49 #table{
50     margin-top: 15px;
51     border-top: 1px solid #ddd;
52     padding-top: 10px;
53 }
```

A screenshot of a code editor window titled "script.js". The window includes a header with tabs for "index.html", "# styles.css", "script.js", and "MongoDB", along with a search bar labeled "workspace". The code in "script.js" is a JavaScript function that generates a multiplication table based on user input. It uses document.getElementById to get element values, parses them to integers, and then constructs a string for the table HTML which it then sets to the innerHTML of a tableDiv.

```
1  document.getElementById("generateBtn").addEventListener("click",function(){
2      let number=document.getElementById("number").value;
3      let start=document.getElementById("start").value;
4      let end=document.getElementById("end").value;
5      let errorMessage=document.getElementById("errormessage");
6      let tableDiv=document.getElementById("table");
7      errorMessage.textContent="";
8      tableDiv.innerHTML="";
9      if(!number || !start || !end){
10          errorMessage.textContent="All fields are required!";
11          return;
12      }
13      number=parseInt(number);
14      start=parseInt(start);
15      end=parseInt(end);
16      let tableHTML = `<strong>Multiplication Table of ${number}</strong><br>`;
17      for (let i=start;i<=end;i++){
18          tableHTML+=`${number} x ${i} = ${number * i}<br>`;
19      }
20      tableDiv.innerHTML=tableHTML
21
22  });
});
```

CHALLENGE YOURSELF

The screenshot shows a code editor interface with two tabs: 'index.html' and 'script.js'. The 'index.html' tab is active, displaying the following HTML code:

```
public > <!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body>
<h1>Grade Calculator</h1>
<label id="marksLabel" for="marks">Enter your marks (0-100):</label>
<input type="number" id="marks" min="0" max="100">
<button id="getGradeButton">Convert</button>
<p id="gradeResult"></p>
<script src="script.js"></script>
</body>
</html>
```

The 'script.js' tab is also visible, indicating it is part of the same project. The code editor has a dark theme and includes a status bar at the top with 'Disk Storage 8%'.

History ▾ Disk Storage 5%

workspace

index.html script.js

```
public > JS script.js > addEventListener("click") callback
1  document.getElementById("getGradeButton").addEventListener("click",function(){
2      let marksInput=document.getElementById("marks").value.trim();
3      let grade=" ";
4      if(marksInput == ""){
5          grade="Enter any marks to get the grades.";
6      }
7      else{
8          let marks=parseInt(marksInput);
9          if(isNaN(marks) || marks <0 ||marks>100)
10         {
11             grade="The marks should be between 0-100.";
12         }
13
14
15         if(marks>=90 && marks<=100)
16         {
17             grade=`For marks ${marks} , your grade is A`;
18         }
19         else if(marks>=80 && marks<90)
20         {
21             grade=`For marks ${marks} , your grade is B`;
22         }
23         else if(marks>=70 && marks<80)
24         {
25             grade=`For marks ${marks} , your grade is C`;
26         }
27         else if(marks>=60 && marks<70)
28         {
29             grade=`For marks ${marks} , your grade is D`;
30         }
31         else if(marks<60 && marks>=0){
32             grade=`For marks ${marks} , your grade is F`;
33         }
34     }
35
36     document.getElementById("gradeResult").innerText=grade;
37 })
```

DELL



