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3rd Year Section B (B1)

Practical 7 (JavaScript)

Example 1:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Example 1</title>
5  </head>
6  <body>
7  |   <h1 id="main-title">Hello</h1>
8
9  |   <script>
10 |       document.getElementById('main-title').textContent = 'Welcome to DOM!';
11 |   </script>
12 </body>
13 </html>
14
```

Welcome to DOM!

Example 2:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Example 2</title>
5  </head>
6  <body>
7  |   <ul id="task-list"></ul>
8
9  |   <script>
10 |       const li = document.createElement('li');
11 |       li.textContent = 'Buy groceries';
12 |       document.getElementById('task-list').appendChild(li);
13 |   </script>
14 </body>
15 </html>
16 |
17
```

- Buy groceries

Example 3:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Example 3</title>
5  |   </head>
6  |   <body>
7  |     <p class="note">This is a note.</p>
8  |
9  |     <script>
10 |       const note = document.querySelector('.note');
11 |       note.style.color = 'blue';
12 |     </script>
13 |   </body>
14 | </html>
15 |
16
```

This is a note.

Example 4:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Example 4</title>
5  </head>
6  <body>
7  |   <button onclick="addTask()">Add Task</button>
8  |   <ul id="list"></ul>
9  |
10 |   <script>
11 |     function addTask() {
12 |       const li = document.createElement('li');
13 |       li.textContent = 'New Task';
14 |       document.getElementById('list').appendChild(li);
15 |     }
16 |   </script>
17 </body>
18 </html>
19
```

Add Task

- New Task
- New Task

Example 5:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Example 5</title>
5  </head>
6  <body>
7  |   <ul id="myList">
8  |     <li id="item1">Item 1</li>
9  |   </ul>
10
11  |   <script>
12  |     const item = document.getElementById('item1');
13  |     item.parentNode.removeChild(item);
14  |   </script>
15  </body>
16  </html>
17
18
```

Example 6:

```
<> practical7.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Example 6</title>
5      <style>
6          .done {
7              text-decoration: line-through;
8          }
9      </style>
10 </head>
11 <body>
12     <ul id="tasks">
13         <li onclick="this.classList.toggle('done')">Click me to mark done</li>
14     </ul>
15 </body>
16 </html>
17
```

- ~~Click me to mark done~~

Tasks:

```
<> practical7.html >  html
1  <html>
2    <head>
3      <title>Tasks</title>
4    </head>
5    <body>
6      <h2>Tasks: </h2>
7    <input id="input" placeholder="Enter task">
8    <button onclick="addTask()">Add Task</button>
9
10   <ul id="list"></ul>
11
12   <script>
13   function addTask() {
14     const input = document.getElementById('input').value;
15     if(!input) return;
16
17     const li = document.createElement('li');
18     li.textContent = input + " ";
19
20     const del = document.createElement('button');
21     del.textContent = "Del";
22     del.onclick = function() {
23       document.getElementById('list').removeChild(li);
24     }
25
26     const edit = document.createElement('button');
27     edit.textContent = "Edit";
28     edit.onclick = function() {
29       li.firstChild.nodeValue = "Edited Task ";
30     }
31
32     li.appendChild(del);
33     li.appendChild(edit);
34
35     document.getElementById('list').appendChild(li);
36     document.getElementById('input').value = "";
37   }
38   </script>
39   </body>
40 </html>
```

Tasks

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Tasks:

Enter task

Add Task

- addition

Del

Edit
- subtraction

Del

Edit