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# Day 8: Buttons Container 🔖

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### Objective

In this challenge, we lay out buttons inside a *div* and modify their labels after each click event on one of the buttons. Check out the attached tutorial for learning materials.

### Task

We want to create nine buttons enclosed in a *div*, laid out so they form a $3 \times 3$ grid. Each button has a distinct label from $1$ to $9$, and the labels on the outer buttons must rotate in the *clockwise* direction each time we click the middle button.

Complete the code in the editor so that it satisfies the following criteria:

- *Initial State.* The initial layout looks like this:

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 | 9 |

- *Element IDs.* Each element in the document must have an `id`, specified below:

  - The button container *div*'s `id` must be `btns`.

  - The initial `innerHTML` labels must have the following button `id`s:

| innerHTML | id |
|-----------|------|
| 1 | btn1 |
| 2 | btn2 |
| 3 | btn3 |
| 4 | btn4 |
| 5 | btn5 |
| 6 | btn6 |
| 7 | btn7 |
| 8 | btn8 |
| 9 | btn9 |

- *Styling.* The document's elements must have the following styles:
  - The `width` of `btns` is $75\%$, relative to the document body's width.

  - Each button (i.e., `btn1` through `btn9`) satisfies the following:
    - The `width` is $30\%$, relative to its container width.

    - The `height` is `48px`.

- The `font-size` is 24px.

- *Behavior.* Each time `btn5` is clicked, the `innerHTML` text on the grid's outer buttons (i.e., `bt1`, `btn2`, `btn3`, `btn4`, `btn6`, `btn7`, `btn8`, `btn9`) must rotate in the *clockwise* direction. *Do not* update the button `id`'s.

The `.js` and `.css` files are in different directories, so use the *link* tag to provide the CSS file path and the *script* tag to provide the JS file path:

```
<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet" href="css/buttonsGrid.css" type="text/css">
    </head>

    <body>
        <script src="js/buttonsGrid.js" type="text/javascript"></script>
    </body>
</html>
```

## Explanation

Initially, the buttons look like this:

| 1 | 2 | 3 |
|---|---|---|
| 4 | 5 | 6 |
| 7 | 8 | 9 |

After clicking `btn5` **1** time, they look like this:

| 4 | 1 | 2 |
|---|---|---|
| 7 | 5 | 3 |
| 8 | 9 | 6 |

After clicking `btn5` **1** more time (for a total of **2** clicks), they look like this:

| 7 | 4 | 1 |
|---|---|---|
| 8 | 5 | 2 |
| 9 | 6 | 3 |

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Submissions: 25865
Max Score: 25
Difficulty: Easy

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Button Containers in JavaScript

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JavaScript (Node.js) ▾ ⚙

css
    buttonsGrid.css
js
    buttonsGrid.js
index.html

```javascript
1  var container = document.createElement('div');
2  container.className = 'buttonContainer';
3  container.id = 'btns';
4
5  var buttons = [9];
6      for(var i=0;i<9;i++) {
7          buttons[i] = document.createElement('button');
8          buttons[i].id = 'btn' + (i + 1);
9          buttons[i].innerHTML = (i + 1);
10         buttons[i].className = 'button';
11         container.appendChild(buttons[i]);
12     }
13
14 document.body.appendChild(container);
15
16 function getNextLabel(currentLabel) {
17     var labels = [1, 4, 7, 8, 9, 6, 3, 2];
18     var index = (labels.indexOf(+(currentLabel)) + 1) % labels.length;
19     return labels[index];
20 }
21
22 function updateLabel() {
23     for(var i=0;i<4;i++){
24         buttons[i].innerHTML = getNextLabel(buttons[i].innerHTML);
25     }
26     for(var i=5;i<9;i++) {
27         buttons[i].innerHTML = getNextLabel(buttons[i].innerHTML);
28     }
29 }
30
31 btn.addEventListener("click", function() {
32     updateLabel();
33 });
34
```

Line: 1 Col: 1

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