البيت السلام

BAITUSSALAM

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TECH PARK

Class Agenda

DOM and Event Listener

Javascript Dynamic Table

Previous Class Assignment

ID	NAME	AGE	EMAIL
1	Wasif	21	wasif@email.com
2	Ali	19	ali@email.com
3	Saad	16	saad@email.com
4	Asad	25	asad@email.com

Query Selector vs Query Selector All

querySelector is a method to find the first element
that matches a CSS selector.

Syntax
let element = document.querySelector('selector');

querySelectorAll finds all elements matching a CSS selector.
Returns a NodeList, which is like an array.

Syntax
let elements = document.querySelectorAll('selector');

Deleting Elements from DOM

To remove elements from the DOM use the removeChild or remove methods

```
1  // removeChild
2  let list = document.getElementById('myList')
3  let itemToRemove = document.getElementById('itemToRemove')
4  list.removeChild(itemToRemove)
5
6  // remove
7  let paragraph = document.getElementById('myParagraph')
8  paragraph.remove()
9
```

Event Listeners

- Event listeners respond to user interactions
- Use **addEventListener** to handle events

```
Syntax

element.addEventListener('event', function);
```

- `element` : The target element.
- `'event'` : The type of event (e.g., `'click'`, `'mouseover'`).
- `function` : The function to run when the event occurs.

Click Event

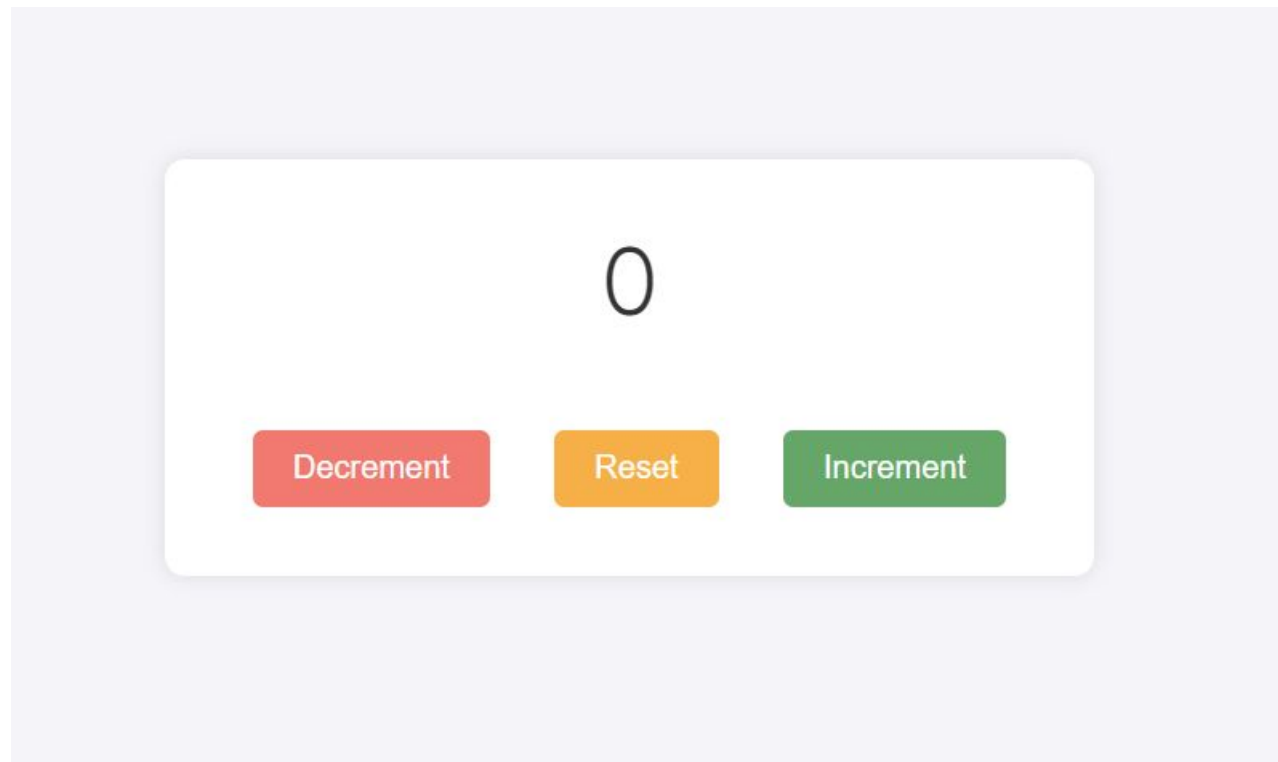## Click Event

```html
<button id="myButton">Click Me!</button>
```

```javascript
let button = document.getElementById('myButton');
button.addEventListener('click', function() {
  alert('Button was clicked!');
});
```

- Displays an alert when the button is clicked.

Counter App Project

Make this counter app functional – You are provided HTML and CSS code

Input Event

```html
<input type="text" id="myInput">
<p id="output"></p>
```

```javascript
let input = document.getElementById('myInput');
let output = document.getElementById('output');
input.addEventListener('input', function() {
  output.textContent = input.value;
});
```

- Updates the paragraph text as the user types in the input field.

TODO App Project

Make this todo app functional – You are provided HTML and CSS code

The End