JavaScript

Dom Manipulation

3

Creating and Appending
Elements

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Creating Elements With createElement

```js
const newP = document.createElement('p');
newP.textContent = 'New paragraph.';

//Result: <p>New paragraph.</p>
```

Explanation : **Creates** a new **<p>** element and sets its text content.

Note : The paragraph element has been **created**, but it is **not yet added** to the document.

Appending Elements With appendChild

```js
JS main.js

const parent = document.querySelector('div');
parent.appendChild(newP);

//Initial
  //<div></div>
//Result
  //<div>
      //<p>New paragraph.</p>
  //</div>
```

Explanation : Appends the **newly** created paragraph to an **existing** parent element.

Inserting Elements With Insert Before/After:

```js
JS  main.js

const newH = document.createElement('h2');
parent.insertBefore(newH, newP);

//Initial ://<div>
//          //<p></p>
//          // </div>
//Result   ://<div>
//          //<h2></h2>
//          //<p></p>
//          // </div>
```

Explanation : **Inserts** a new tag element **before** or **after** the existing element.

Clone Elements With CloneNode

```js
JS main.js

const clonedElement = newP.cloneNode(true);
parent.appendChild(clone);

//Initial ://<div>
          //<p></p>
        //</div>
//Result  ://<div>
          //<p></p>
          //<p></p>
        //</div>
```

Explanation : **Clones** the existing paragraph and appends the cloned version.

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