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# DOM Manipulation Cheatsheet



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# Creating elements



//Syntax

```
const element = document.createElement('element')  
parentElement.appendChild(element);
```

//Example 1

```
const div = document.createElement('div')  
body.appendChild(div);
```

//Example 2

```
const ul = document.createElement('ul');  
const li = document.createElement('li');  
ul.appendChild(li);
```



## Removing elements



```
//Syntax
```

```
// with removeChild method
```

```
parent.removeChild(child)
```

```
// with remove method
```

```
child.remove()
```

```
//Example
```

```
ul.removeChild(li)
```

```
// or
```

```
li.remove()
```





## Querying elements

- The `querySelector()` method returns the first element that matches a CSS selector.
- To return all matches (not only the first), use the `querySelectorAll()` instead.



```
//Syntax
// query by id
const element = document.querySelector('#elementId');

// query group of elements by id
//(which ignores the purpose of having a special id)
const elements = document.querySelectorAll('#elementId');

// query element by class name
const element = document.querySelector('.className');

// query group of elements by class name
const elements = document.querySelectorAll('.className');
```



## Modify elements

modifying element's attributes

modifying the style object



```
element.style.fontSize = "18px"  
element.style.backgroundColor = "#ffffff"
```

modifying the id

```
element.id = "myId"
```





## modifying the class



```
element.classList.add( 'myClass' );  
  
element.classList.remove( 'myClass' );
```

## modifying the text



```
const element.innerText = "Hello World"
```



## modifying the attribute in general



//Syntax

```
element.setAttribute(attribute, value);  
element.removeAttribute(attribute);
```

//Example

```
input.setAttribute(name, "myInput");  
input.removeAttribute('name');
```



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