

Programming the BOM and DOM



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Introduction



The window Object

Timers

The location Object

The document Object

Selecting DOM Objects

Modifying DOM Objects



The window Object



window

Properties

document
console
innerHeight
innerWidth
pageXOffset
pageYOffset

Methods

alert()
back()
confirm()

Events

(not common)



Timers



setTimeout()

```
let timeoutId = setTimeout( function() {  
    console.log('1 second passed');  
}, 1000);
```

```
// if need to cancel . . .  
clearTimeout(timeoutId);
```



setInterval()

```
let intervalId = setInterval( function() {  
    console.log('1 second passed');  
}, 1000);
```

```
// if need to cancel . . .  
clearInterval(intervalId);
```



The location Object



location

Properties

href
hostname
port
pathname
search

Methods

assign()
reload()

Events

(not common)



The document Object



document

Properties

body
forms
links

Methods

createElement()
createEvent()
getElementById()
getElementsByClassName()

Events

onload
onclick
onkeypress



Selecting DOM Elements



Selecting DOM Elements

```
document.getElementById( 'elementId' );
```

```
document.getElementsByClassName( 'className' );
```

```
document.getElementsByTagName( 'tagName' );
```



Modifying DOM Elements



Modifying DOM Elements

```
let element = document.getElementById('elementId');  
element.textContent = 'new text here';  
element.setAttribute('name', 'nameValue');  
element.classList.add('myClassName');  
element.style.color = 'blue';
```



Summary



The window Object

- the global object

Timers

- setTimeout()
- setInterval()

The location Object

The document Object

Selecting DOM Objects

Modifying DOM Objects

