





Other Famous JavaScript Libraries

1. jqueryui.com
2. mootools.net
3. reactjs.org
4. dojotoolkit.org





1

<https://jquery.com/>

```
...  
<script src="js/jquery-3.2.1.min.js"></script>  
</body>  
</html>
```





2

CDN = Content Distribution Network



```
...  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>  
</body>  
</html>
```





Option 1

```
$(function(){  
    // code to be executed  
});
```

Option 2

```
$(document).ready(function(){  
    // code to be executed  
});
```

Log, Alert before rendering page



JavaScript

`getElementsByTagName()`

`getElementById()`

`getElementsByClassName()`


`getElementsByName()`

`querySelector()`

`querySelectorAll()`

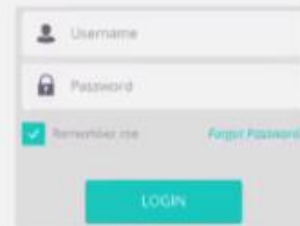
jQuery

`$("selector")`

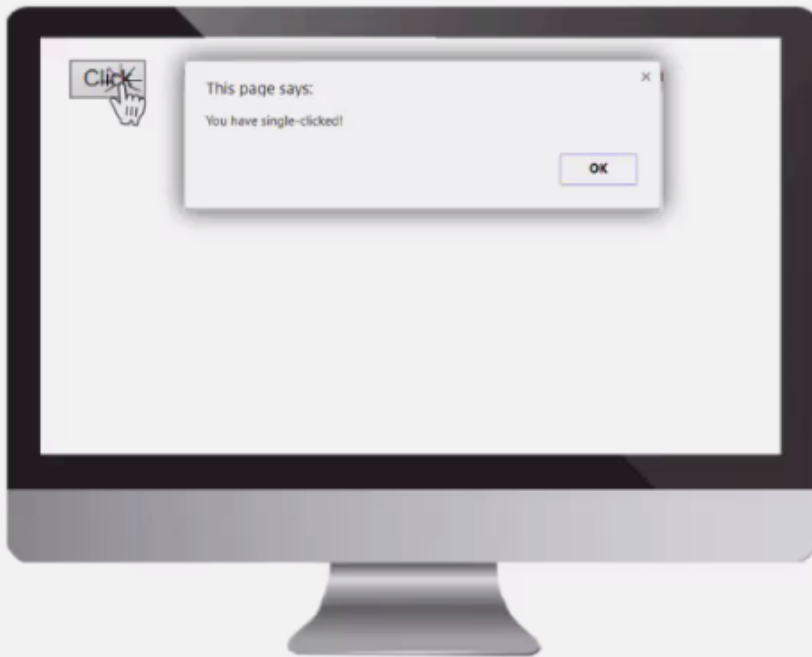


Events

Mouse Events	Keyboard Events	Form Events	Document/Window Events
click	keypress	submit	load
dblclick	keyup	change	resize
mouseover	keydown	focus	scroll



click



HTML

```
<button class = "clickBtn">Click</button>
```

JS

```
let button1 = $('.clickBtn');  
  
button1.click(function(){  
    alert("You have single-clicked!")  
})  
  
button1.on('click', function(){  
    alert("You have single-clicked!")  
})
```



dblclick



HTML

```
<button class = "clickBtn">Click</button>  
<button class = "dblclickBtn">Dblclick</button>
```

JS

```
let button2 = $('dblclickBtn');  
  
button2.dblclick(function(){  
    alert("You have double-clicked!")  
})  
  
button2.on('dblclick', function(){  
    alert("You have double-clicked!")  
})
```

mouseover

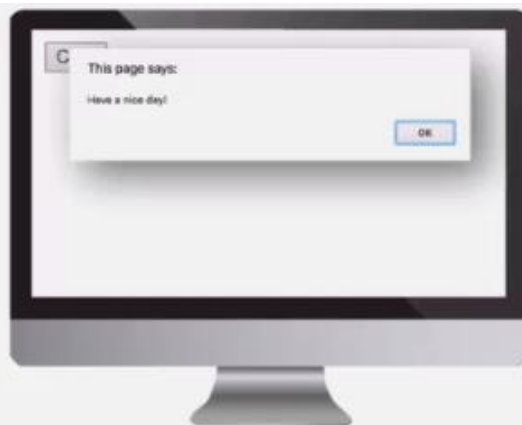


HTML

```
<button class = "clickBtn">Click</button>  
<button class = "dbclickBtn">Dbclick</button>  
<button class = "overBtn">Mouseover</button>
```

JS

```
let button3 = $('overBtn');  
  
button3.mouseover(function(){  
    alert('Your pointer is over the button')  
})  
  
button3.on('mouseover', function(){  
    alert('Your pointer is over the button')  
})
```

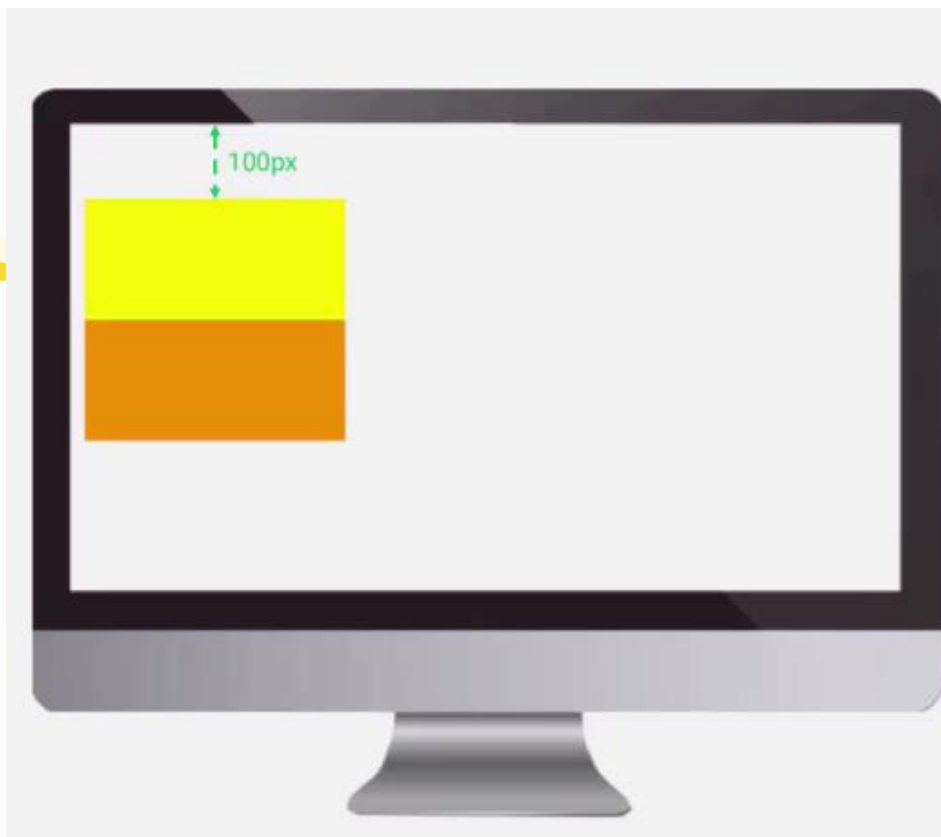


```
button1.click(function(){  
    alert('Have a nice day!');  
})
```

```
button1.dblclick(function(){  
    alert('Have a nice day!');  
})
```

```
button1.mouseover(function(){  
    alert('Have a nice day!');  
})
```

```
button1.on('click dblclick mouseover', function(){  
    alert('Have a nice day!');  
})
```



HTML

```
<div class="block"></div>  
<div class="block-2"></div>
```

CSS

```
.block, .block-2 {  
  width: 200px;  
  height: 200px;  
  background-color: orange;  
}
```

JS

```
let block = $('.block');  
block.css('width', '400px');  
block.css('background-color', 'yellow');  
block.css('margin-top', '100px');  
let block2 = $('.block-2');  
block2.css('width', block.css('width'));
```

HTML

```
<div class="block"></div>
<div class="block-2"></div>
```

CSS

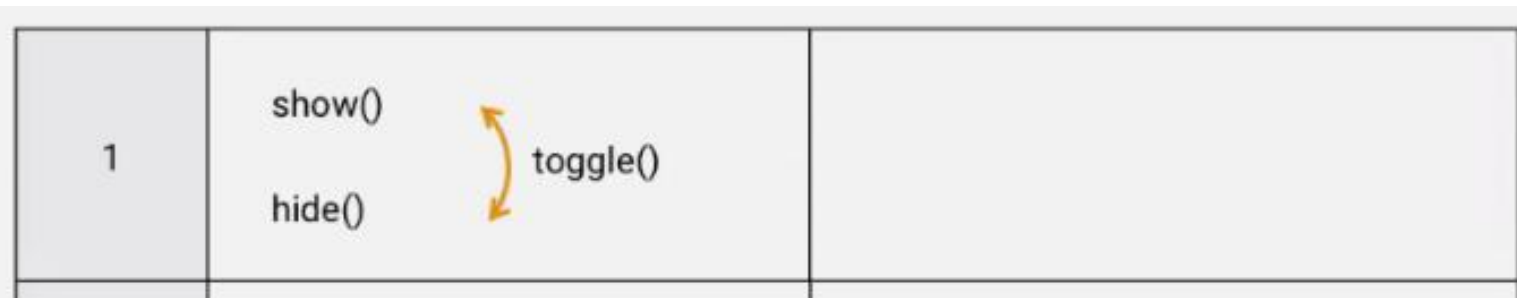
```
.block, .block-2 {
  width: 200px;
  height: 200px;
  background-color: orange;
}
```

JS

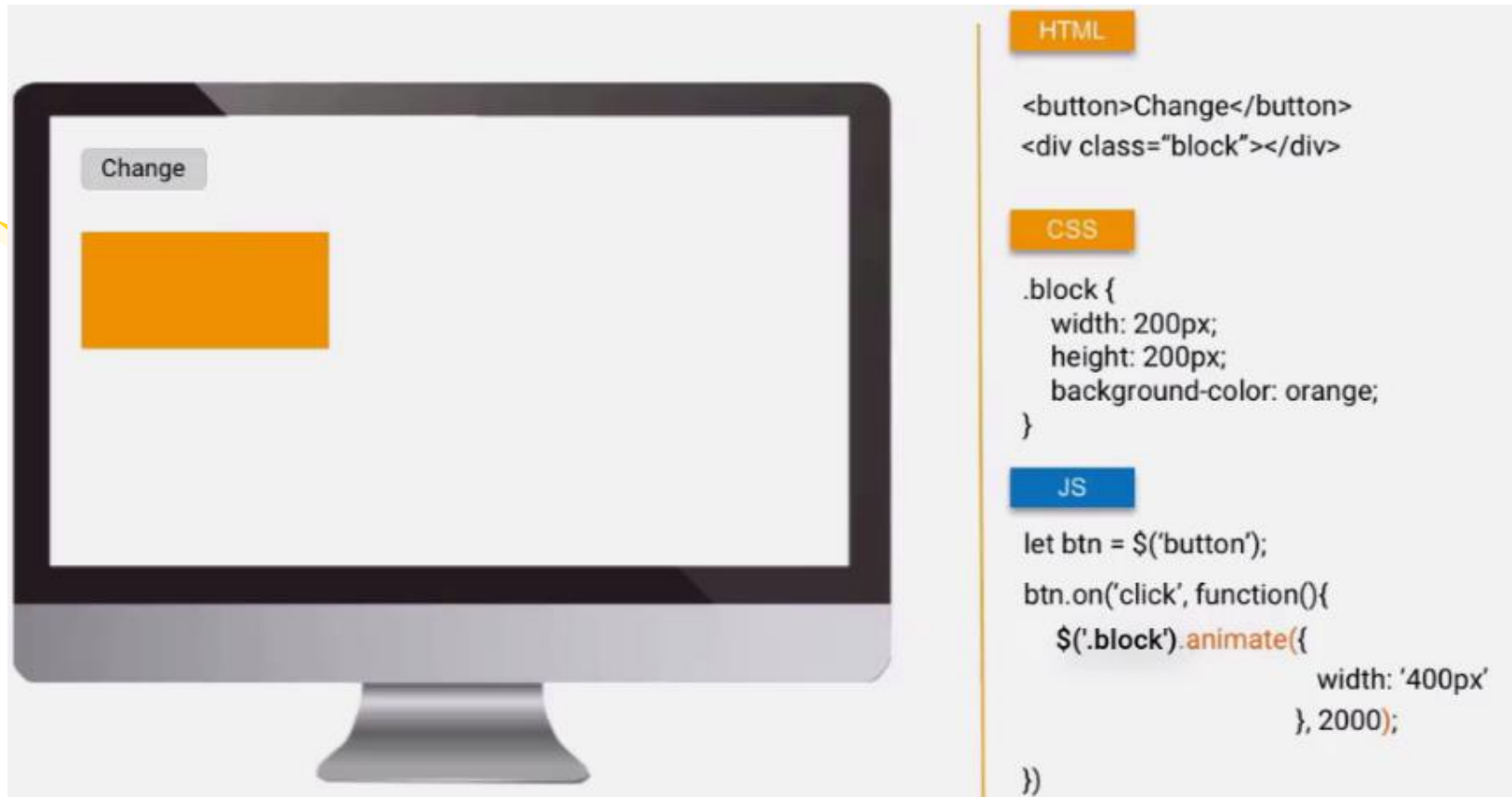
```
let block = $('.block');
block.css('width', '400px');
block.css('background-color', 'yellow');
block.css('margin-top', '100px');
```

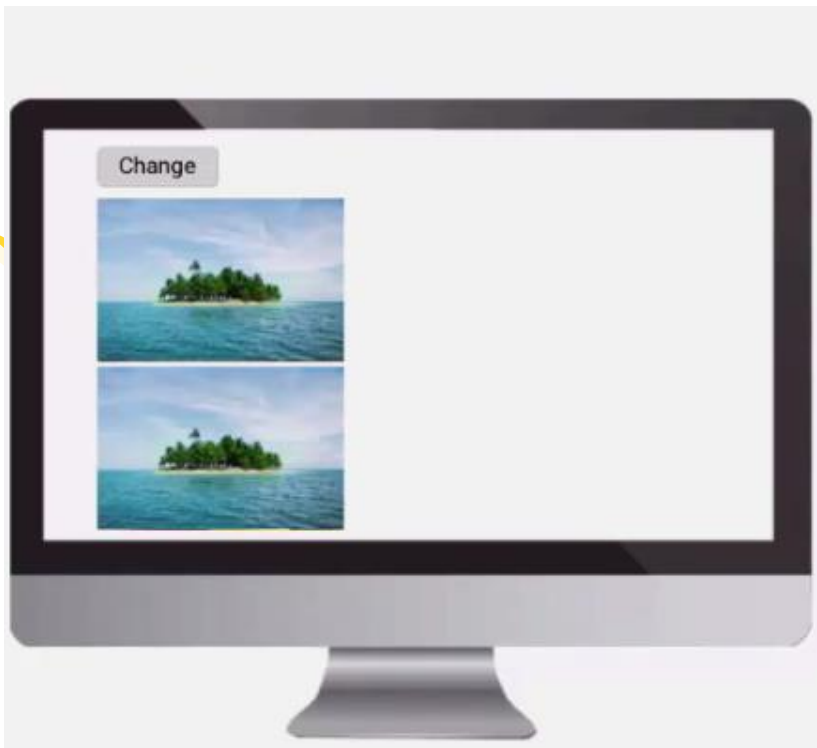
JS

```
let block = $('.block');
let styles = {
  width: '400px',
  backgroundColor: 'yellow',
  marginTop: '100px'
}
block.css(styles);
```



1	<div>show()</div> <div>hide()</div> <div>toggle()</div>	
2	<div>fadeIn()</div> <div>fadeOut()</div> <div>fadeToggle()</div>	
3	<div>slideDown()</div> <div>slideUp()</div> <div>slideToggle()</div>	





HTML

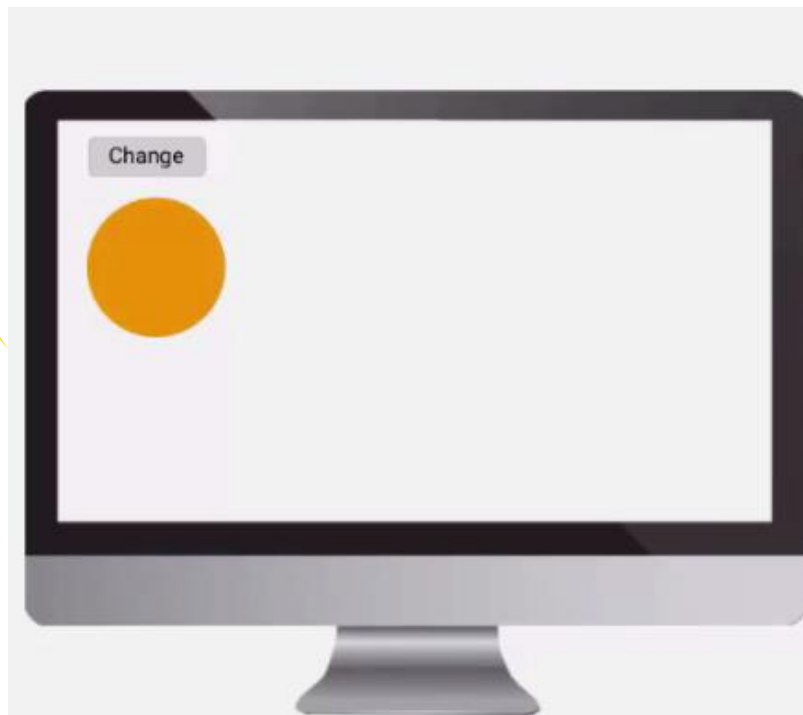
```
<button>Change</button>


```

JS

```
let btn = $('button');
btn.on('click', function() {
  $('.img-1').attr('src', 'images/2.jpg');
});

let img1Src = $('.img-1').attr('src');
$('.img-2').attr('src', img1Src);
```



HTML

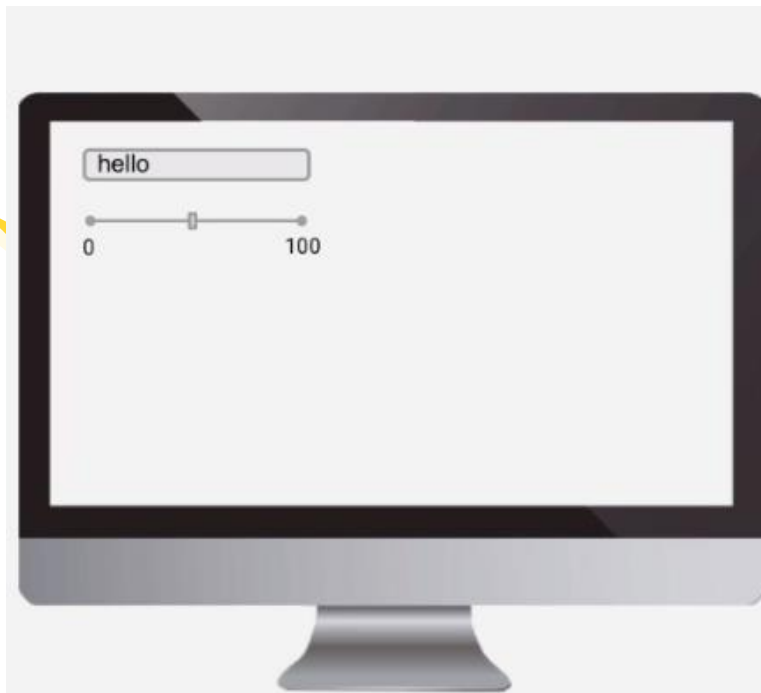
```
<button>Change</button>  
<div class="circle" ></div>
```

CSS

```
div {  
  width: 200px;  
  height: 200px;  
  background-color: orange;  
}  
.circle {  
  border-radius: 50%;  
}
```

JS

```
let btn = $('button');  
let b1 = $('.block-1');  
  
btn.on('click', function() {  
  b1.attr('class', 'circle');  
});
```




HTML

```
<input type="text" value="hello" class="inp-1">  
<input type="range" class="inp-2" min="0" max="100">
```

JS

```
let val1 = $('inp-1').attr('value');  
console.log(val1);    ⇒ hello
```

```
let val2 = $('inp-2').attr('value');  
console.log(val2);    ⇒ undefined
```





HTML

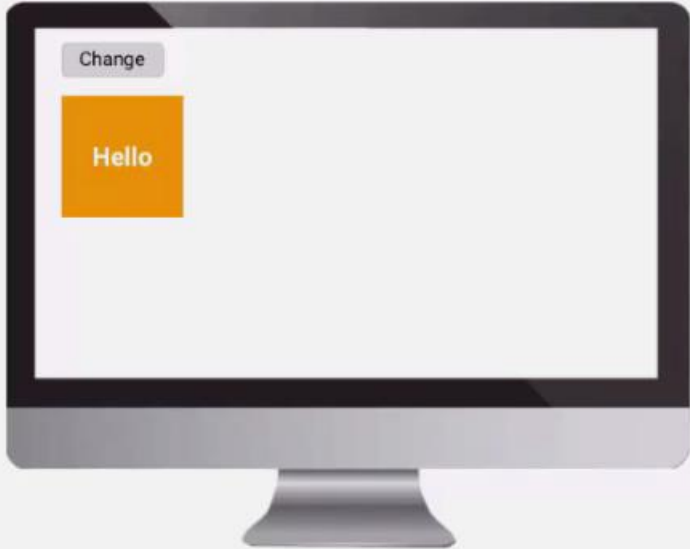
```
<input type="text" value="hello" class="inp-1">  
<input type="range" class="inp-2" min="0" max="100">  
<input type="date" class="inp-3">  
<input type="file" class="inp-4">
```

JS

```
let val2 = $('.inp-2').val();  
console.log(val2);    => 50  
  
let val3 = $('.inp-3').val();  
console.log(val3);    => 2022-02-02  
  
let val4 = $('.inp-4').val();  
console.log(val4);    => C:\fakepath\file.txt
```



```
addClass()  
removeClass()  
toggleClass()
```



The image shows a computer monitor with a web application. On the screen, there is a small grey button labeled 'Change' and an orange square containing the word 'Hello' in white text.

HTML

```
<button>Change</button>
<div class="block">Hello</div>
```

CSS

```
.block {
  width: 200px;
  height: 200px;
  background-color: orange;
}
.red-text {
  color: red;
}
```

JS

```
let btn = $('button');
let block = $('.block');
btn.on('click', function() {
  block.toggleClass('red-text');
});
```



Technology

Consulting

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format code: Edit > Line > Reindent
copy line: Ctrl Shift D
delete row: Ctrl X