

jQuery Effects

- Effects are methods that allow you to **animate or manipulate elements** in various ways, such as changing their **visibility, opacity, height, width, and position**

Categories:

Display Effects

- `hide()`, `show()`

Fading Effects

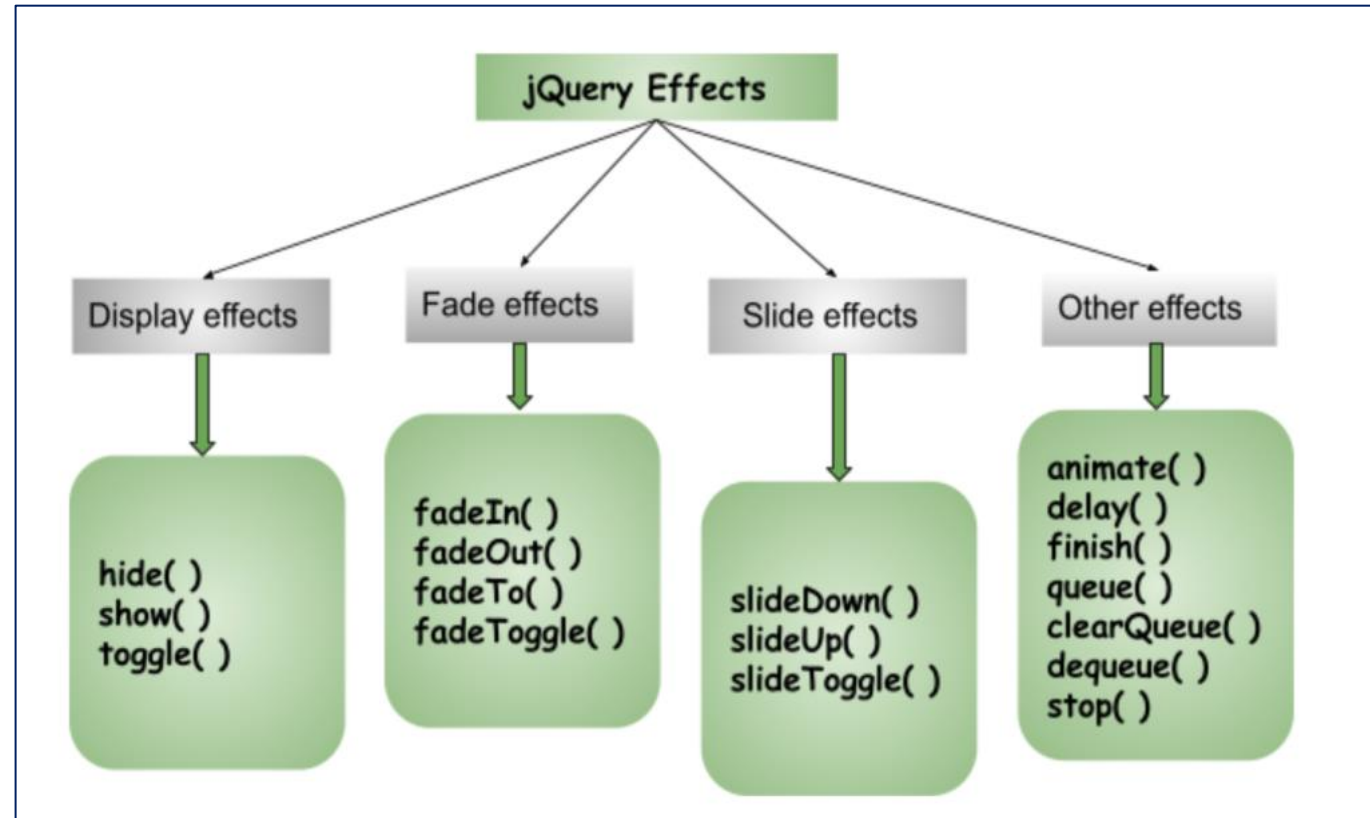
- `fadeIn()`, `fadeOut()`, `fadeToggle()`

Sliding Effects

- `slideDown()`, `slideUp()`, `slideToggle()`

Other Effects

- `Animate()`, `delay()`, `finish()`..



jQuery hide() and show()

- With jQuery, you can hide and show HTML elements with the **hide()** and **show()** methods:

jQuery hide():

- used to hide the selected elements.

Syntax:

- \$(selector).hide();**
- `$(selector).hide(speed, callback);`
- `$(selector).hide(speed, easing, callback);`

jQuery show():

- Used to show the selected elements.

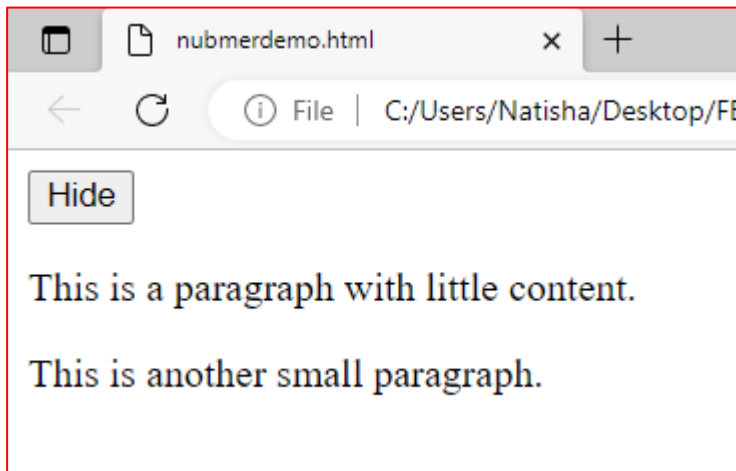
Syntax:

- \$(selector).show();**
- `$(selector).show(speed, callback);`
- `$(selector).show(speed, easing, callback);`

```
<html><head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.
js"></script>
<script>
$(document).ready(function(){
    $("#hide").click(function(){
        $("p").hide();
    });
    $("#show").click(function(){
        $("p").show();
    });
});
</script>
</head>
<body>
<p>If you click on the "Hide" button, I will
disappear.</p>
<button id="hide">Hide</button>
<button id="show">Show</button>
</body>
</html>
```

jQuery hide() and show()

- The optional **speed parameter** specifies the **speed of the hiding/showing**, and can take the following values: **"slow"**, **"fast"**, or **milliseconds**.
- The optional **callback parameter** is a function to be **executed after the hide() or show() method completes**
- `$(selector).hide(speed,callback);`
- `$(selector).show(speed,callback);`

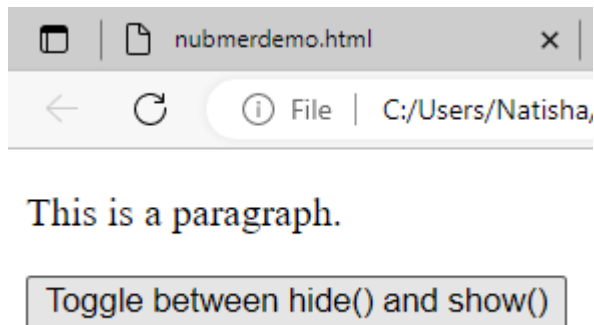


```
<html><head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.
js"></script>
<script>
$(document).ready(function(){
  $("#hide").click(function(){
    $("p").hide(1000);
  });
  $("#show").click(function(){
    $("p").show();
  });
});
</script>
</head>
<body>
<p>If you click on the "Hide" button, I will
disappear.</p>
<button id="hide">Hide</button>
<button id="show">Show</button>
</body>
</html>
```

jQuery toggle() Method

toggle()

- **toggles between hide() and show()** for the selected elements.
- This method checks the selected elements for visibility. show() is run if an element is hidden. hide() is run if an element is visible - This creates a toggle effect.



```
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"
</script>
<script>
$(document).ready(function(){
    $("button").click(function(){
        $("p").toggle();
    });
});
</script>
</head>
<body>
<p>This is a paragraph.</p>
<button>Toggle between hide() and
show()</button>
</body>
</html>
```

jQuery Effects - Fading

- With jQuery you can **fade elements** in and out of visibility

jQuery fadeIn() Method

- It is used to **fade in a hidden element**.

Syntax:

`$(selector).fadeIn(speed);`

- The optional speed parameter specifies the duration of the effect.
- It can take the following values: "slow", "fast", or milliseconds.

```
<html> <head> <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery
.min.js"></script> <script>
$(document).ready(function(){
  $("button").click(function(){
    $("#div1").fadeIn();
    $("#div2").fadeIn("slow");
    $("#div3").fadeIn(3000);
  });
});
```

```
</script>
</head>
<body>
<p>Demonstrate fadeIn() with different
parameters.</p>
<button>Click to fade in boxes</button><br><br>
<div id="div1"
style="width:80px;height:80px;display:none;background-
color:red;"></div><br>
<div id="div2"
style="width:80px;height:80px;display:none;backg
round-color:green;"></div><br>
<div id="div3"
style="width:80px;height:80px;display:none;backg
round-color:blue;"></div>
</body>
</html>
```

jQuery Effects - Fading

fadeOut()

- It is used to **fade out** the element.

Syntax:

- `$(selector).fadeOut();`
- `$(selector).fadeOut(speed);`

```
<html> <head> <script
src="https://ajax.googleapis...></script>
<script>
$(document).ready(function(){
    $("button").click(function(){
        $("#div1").fadeOut();
        $("#div2").fadeOut("slow");
        $("#div3").fadeOut(3000);
    });
});
```

```
</script>
</head>
<body>
<p>See the fadeOut() method example with
different parameters.</p>
<button>Click to fade out
boxes</button><br><br>
<div id="div1"
style="width:80px;height:80px;background-
color:red;"></div><br>
<div id="div2"
style="width:80px;height:80px;background-
color:green;"></div><br>
<div id="div3"
style="width:80px;height:80px;background-
color:blue;"></div>
</body>
</html>
```

jQuery Effects - Sliding

- The jQuery slide methods slide elements up and down.

jQuery slideDown() Method

- It is used to slide down an element.
- The slideDown() method slides-down (shows) the selected elements.

Syntax:

- `$(selector).slideDown(speed);`

jQuery slideUp() Method

- It is used to slide up an element.
- The slideUp() method slides-up the selected elements.
- `$(selector).slideUp(speed);`

```
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jq
uery/3.6.4/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $(".btn1").click(function(){
    $("p").slideUp(1000);
  });
  $(".btn2").click(function(){
    $("p").slideDown(1000);
  });
});
</script></head>
<body>
<p>This is a paragraph.</p>
<button class="btn1">Slide up</button>
<button class="btn2">Slide down</button>
</body>
</html>
```

This is a paragraph.

Slide up

Slide down

jQuery Effects - animate()

- The **animate()** function in jQuery is used to **create custom animations** on HTML elements.
- It allows us to **change the CSS properties of an element over a specified period of time**.
- The syntax for animate() function :
\$(selector).animate({styles}, speed, easing, callback)

```
<html> <head>
  <script
src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
  <style>
    .box {
      width: 100px;
      height: 100px;
      background-color: red;
      position: relative;
      margin: 50px auto;
    }
  </style>
</head>
<body>
  <div class="box"></div>
  <script>
    $(document).ready(function() {
      $(".box").click(function() {
        $(this).animate({
          width: "200px",
          height: "200px",
          left: "100px",
          backgroundColor: "blue"
        }, 1000);
      });
    });
  </script>
</body>
</html>
```