Jquery

INTRODUCTION

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intro

- jQuery is a JavaScript Library.
- jQuery greatly simplifies JavaScript programming.
- jQuery is easy to learn.

CDN

- <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

syntax

```
$(document).ready(function() {


})
```

HIDE AND SHOW

```
<h1> I AM HEADING</h1>

    <button id="hide">HIDE</button>
<button id="show">SHOW</button>

    <script>
  $(document).ready(function() {

        $("#hide").click(function() {
        $("h1").hide();
    });

        $("#show").click(function(){
        $("h1").show();
    })

        })
  </script>
```

TOGGLE

```html
<h1> I AM HEADING</h1>

    <button id="hide">HIDE AND SHOW </button>


    <script>
    $(document).ready(function() {
        $("#hide").click(function() {
            $("h1").toggle();
        });
    })
  </script>
```

FADE

There are four types
- FADE IN
- FADE OUT
- FADE TOGGLE
- FADE TO

FADE IN

```
<script>

    $(document).ready(function() {
    $("button").click(function() {
        $("#one").fadeIn()
    });

        $("button").click(function(){
        $("#two").fadeIn(3000)
    })
  })
</script>
```

FADE OUT

```
<script>

    $(document).ready(function() {
    $("button").click(function() {
        $("#one").fadeOut()
    });

        $("button").click(function(){
        $("#two").fadeOut(3000)
        })
    })
</script>
```

FADE TOGGLE

```
<script>

    $(document).ready(function() {
    $("button").click(function() {
        $("#one").fadeToggle()
    });

        $("button").click(function(){
        $("#two").fadeToggle(3000)
    })
  })
</script>
```

FADE TO

```
<script>

    $(document).ready(function() {
    $("button").click(function() {
        $("#one").fadeTo("slow" , 0.15)
    });

        $("button").click(function(){
        $("#two").fadeTo("slow" , 0.15)
        })
    })
</script>
```

SLIDE

THERE ARE THREE TYPES

- slideDown()
- slideUp()
- slideToggle()

SLIDE DOWN

```
<script>
   $(document).ready(function() {
      $("button").click(function() {
         $("#one").slideDown("slow")
      })
   })
</script>
```

SLIDE UP

```
<script>
    $(document).ready(function() {
        $("button").click(function() {
            $("#one").slideUp("slow")
        })
    })
</script>
```

SLIDE TOGGLE

```
<script>
    $(document).ready(function() {
        $("button").click(function() {
            $("#one").slideToggle("slow")
        })
    })
</script>
```

ANIMATION 1

```
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $("#one").animate({ left: '100px' }, "slow")


        })
    })
</script>
```

ANIMATION - 02

```
<script>
    $(document).ready(function () {
        $("button").click(function () {
            var div = $("div")
            $("#one").animate({ left: '100px' }, "slow")

            $("#one").animate({fontSize: '200px'}, "slow")


        })
    })
</script>
```

STOP

```
<script>
    $(document).ready(function () {
        $("#btn1").click(function () {

            $("#one").slideDown(5000);
        });
        $("#btn2").click(function () {
            $("#one").stop();
        })
    })
</script>
```

CSS

```
<script>
    $(document).ready(function () {
        $("P").css("background-color" , "red")
    })
</script>
```

CALL BACK

```
<script>
    $(document).ready(function () {
    $("button").click(function () {
        $("p").hide("slow", function () {
            alert("paragraph is hidden")
        })
    })
  })
 </script>
```

CHAINING

```
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $("P").css("color",
"red").slideUp(2000).slideDown(2000);
        })
    })
 </script>
```

ADD ELEMENT

- append()
- prepend()
- after()
- before()

Append

```
<script>
 $(document).ready(function() {
  $("#btn1").click(function(){
      $("p").append("<b> i am next</b>")
  })
 })
</script>
```

Prepend

```
<script>
 $(document).ready(function() {
  $("#btn1").click(function(){
     $("p").prepend("<b> i am next</b>")
  })
 })
</script>
```

AFTER

```
<script>
 $(document).ready(function() {
  $("#btn1").click(function(){
     $("p").after("<b> i am next</b>")
  })
 })
</script>
```

BEFORE

```
<script>
$(document).ready(function() {
  $("#btn1").click(function(){
     $("p").before("<b> i am next</b>")
  })
})
</script>
```

Traversing

```
<div> grarnd parant
    <ul>parent
        <li>child
            <span>grandchild</span>
        </li>
    </ul>
</div>
```

Ancenstors

- parent()
- parents()
- parentsUntil()

Ancenstors – parent()

```
<div class="acent"> grandparent
    <ul> parent
        <li> children
            <span>c</span>
        </li>
    </ul>
</div>

 </body>

 <script>
$(document).ready(function () {
    $("ul").parent().css({ "color": "red", "border": "solid 2px red" })
})
</script>
```

Ancenstors – parents()

```
<div class="acent"> grandparent

    <ul> parent
    <li> children
        <span>c</span>
    </li>
    </ul>
</div>

</body>

<script>
$(document).ready(function () {
    $("li").parents().css({ "color": "red", "border": "solid 2px red" })
})
</script>
```

Ancenstors – parentsUntil()

```html
    <div class="acent"> grandparent
    <ul> parent
      <li> children
        <span>c</span>
      </li>
    </ul>
</div>

 </body>

 <script>
$(document).ready(function () {
    $("ul").parentsUntil("div").css({ "color": "red", "border": "solid 2px red" })
  })
</script>
```

Decendants

- children()
- find()

Decendants - Children

```
<div class="acent">
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Eum, omnis.</p>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Corporis,
    praesentium.</p>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Obcaecati,
    aperiam.
      <span>i am sub child</span>
    </p>
 </div>
</body>

 <script>
 $(document).ready(function () {
    $("div").children().css({ "color": "red", "border": "solid 2px red" })
 })
</script>
```

Decendants - Find

```
    <div class="acent">
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Eum, omnis.</p>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Corporis, praesentium.</p>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Obcaecati, aperiam.
      <span>i am sub child</span>
    </p>
 </div>
</body>

    <script>
  $(document).ready(function () {
      $("div").find("span").css({ "color": "red", "border": "solid 2px red" })
  })
</script>
```

Siblings

- siblings()
- next()
- nextAll()
- nextUntil()

Siblings – Siblings()

```
<script>
    $(document).ready(function () {
        $("h3").siblings().css({ "color": "red", "border": "solid
    2px red" })
    })
</script>
```

Siblings – next()

```
<script>
    $(document).ready(function () {
        $("h3").next().css({ "color": "red", "border": "solid
    2px red" })
    })
</script>
```

Siblings – nextAll()

```
<script>
$(document).ready(function () {
    $("h3").nextAll().css({ "color": "red", "border": "solid 2px red" })
})
</script>
```

Siblings – nextUntil()

```
<script>
$(document).ready(function () {
    $("h3").nextUntil("h6").css({ "color": "red", "border":
"solid 2px red" })
})
</script>
```

Filtering

- first()
- last()
- eq()
- filter()
- not()

Filtering – First()

```
<script>
    $(document).ready(function () {
        $("div").first().css({ "background": "yellow",
    "border": "solid 2px red" })
    })
</script>
```

Filtering – last()

```
<script>
    $(document).ready(function () {
        $("div").last().css({ "background": "yellow",
    "border": "solid 2px red" })
    })
</script>
```

Filtering – eq()

```
<script>
    $(document).ready(function () {
        $("div").eq(1).css({ "background": "yellow", "border": "solid 2px red" })
    })
</script>
```

Filtering – Filter()

```
<script>
$(document).ready(function () {
    $("p").filter(".abc").css({ "background": "yellow" })
})
</script>
```

Filtering – Not()

```
<script>
    $(document).ready(function () {
        $("p").not(".abc").css({ "background": "yellow" })
    })
</script>
```

Empty

```
<script>
  $(document).ready(function(){
    $("button").click(function(){
      $("p").empty()
    })
  })
</script>
```

Remove

```
<script>
    $(document).ready(function(){
        $("button").click(function(){
            $("p").remove()
        })
    })
</script>
```

THE END