

* J.QUERY :-

- J.Query is a "lightweight, write less, do more" JavaScript library.
- The purpose of J.Query is to make it much easier to use JavaScript on your website.
- J.Query takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.
- J.Query also simplifies a lot of the complicated things from JavaScript, like Ajax calls and DOM manipulation.
- The J.Query library contains the following features:
 - HTML/DOM manipulation
 - CSS manipulation
 - HTML event methods
 - Effects and animations
 - AJAX
 - Utilities

JQuery syntax :-

Basic syntax is : \$(selector).action()

- A \$ sign to define (access JQuery).
- A (selector) to "query (or find)" HTML elements.
- A jquery actions() to be performed on the elements.

Examples :-

```
<!DOCTYPE html>
<html>
<head>
<script src="https://www.googleapis.com/
 ajax/libs/jquery/3.6.3/jquery.min.js">
</script>
```

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

```
    $("p").click(function() {
```

```
        $(this).hide();
```

```
    });
```

```
y);
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<p>If you click on me, I will disappear</p>
```

```
<p>click me away!</p>
```

<P> Circ me too! </P>

<body>

<html>

*=o J. every selectors o=

→ The element selector o-

Ex

<script>

```
$ (document).ready(function() {
  $("button").click(function() {
    $("p").hide();
  });
})
```

<script>

→ The # id selector o-

Ex

<html>

<head>

<script>

```
$ (document).ready(function() {
  $("button").click(function() {
    $("#test").hide();
  });
})
```

3) `<html><head><script>`

`</head><body>`

`<h2> This is a heading </h2>`

`<p> This is a paragraph </p>`

`<p id="test"> This is another paragraph.`

`</p>`

`<button> click me </button>`

`</body>`

`</html>`

→ The .class selector :-

ex `$(".test")`

ex `<html>`

`<head>`

`<script>`

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

`$("button").click(function() {`

`$(".test").hide();`

`});`

`});`

`</script>`

`</head>`

`<body>`

```

<h2 class="test"> This is a paragraph <h2>
<p class="test"> This is a paragraph. <p>
<button> Click me <button> <br>
<body>
<html>
    <div> paragraph in a div <div>
    <div> <u>Every Events</u> <u>in</u> <u>HTML</u>
        <u><"test"> is it</u> <u>in</u> <u>HTML</u>
            <u>CAZ</u>

```

All the different visitors actions of a web page can respond to what are called events.

Examples :-

- moving a mouse over an element.
- selecting a radio button.
- clicking on an element.

Example :-

```

<html>
<head>
<script>
    $(<document>.ready(function() {
        $(<"p">).on('

```

```

        mouseenter: function() {
            <this>.css('background-color',
                        "lightgray");

```

});

```
'mouseLeave': function () {  
    $(this).css('background-color', 'lightblue');  
};
```

```
click: function() {  
    $(this).css("background-color", "yellow");  
}  
  
y  
y;  
y;
```

```
<script>  
<head>  
<body>
```

LPS click or move the mouse pointer over this paragraph. LIPs

<body><node><"node"></node></body><html>

* Jquery Effects :-

→ Hide and show :-

Examples-

~~HTML~~ <html> utilized to two html

Cherryd

~~Script will run at document ready (functions)~~

\$ document.readyState (function()) {

`$('button').click(function() {
 $('p').hide();
});`

`$('button').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>`

→ finding 8-

with jQuery you can fade in element in
and out of visibility.

jQuery has the following fade methods:

- fadeIn() :- used to fade in hidden element.
- fadeOut() :- used to fade out visible element.
- fadeToggle() :- used to fade in/out element.
- fadeTo() :- allows fading to a given opacity.

* fadeIn() Example

```

<script>
$( "#button" ).click(function() {
  $("#div1").fadeIn();
  $("#div2").fadeIn("slow");
  $("#div3").fadeIn(3000);
});

```

* fadeOut() Example

```

<script>
$( "#button" ).click(function() {
  $("#div1").fadeOut();
  $("#div2").fadeOut("slow");
  $("#div3").fadeOut(3000);
});

```

OR **FadeToggle Example :-** (005967)

<script> bit of brain -> (005967)
\$function" (005967)

\$ ("button").click(function ()

{

\$ ("#div1").fadeToggle();

\$ ("#div2").fadeToggle("slow");

\$ ("#div3").fadeToggle(3000);

); (005967) click . ("mohitka")

</script>

; (005967). ("vibh")

+ FadeTo() Example :- (005967)

; (0008) bit of brain . ("vibh")

<script>

\$ ("button").click(function ()

{

\$ ("#div1").fadeTo("slow", 0.25);

\$ ("#div2").fadeTo("slow", 0.4);

\$ ("#div3").fadeTo("slow", 0.7);

</script>

; (005967) ("vibh")

; (0008) bit of brain . ("vibh")

; (0008) bit of brain . ("vibh")

; (0008) bit of brain . ("vibh")

→ Sliding :-

* JQuery Sliding Methods :-

- With Jquery you can create a sliding effect on elements.

- Jquery has the following slide methods

- `slideDown()` :- used to slide down an element.
- `slideUp()` :- used to slide up an element.
- `slideToggle()` :- use to slide up/down element.

* slideDown() Example :-

```
<html>
  <head>
    <script>
      $(document).ready(function () {
        $('#flip').click(function () {
          $('#panel').slideDown("slow");
        });
      });
    </script>
  </head>
```

```
<body>
  <div id="flip"> click to slide down </div>
  <div id="panel"> Hello world! </div>
</body>
```

<html>

& slideUp() example <html>

<html>

<head>

<script>

```
$ (document).ready(function () {
  $ ("#flip").click(function () {
    $ ("#panel").slideUp ("slow");
  });
});
```

<script>

```
# panel, # flip {
  width: 200px;
  padding: 10px;
  text-align: center;
  background-color: #e6eccc;
  border: 2px solid #c3c3c3;
}
```

<# panel> { padding: 50px; }

<style>

<head>

<body>

```
<div id="flip"> click to slide up panel </div>
<div id="panel"> Hello world! </div>
```

<body>

<html>

```
<div> !arrow up! </div> <br>
```

of slideToggle() example of javascript program

<html>

<head>

<script>

```
$ (document).ready(function () {  
    $ ("#flip").click(function () {  
        $ ("#panel").slideToggle("slow");  
    });  
});
```

<script>

<style>

```
# panel, # flip { font-size: 16px; font-weight: bold; color: #e5ecff; background-color: #f0f0f0; border: 1px solid #c3c3c3; padding: 5px; text-align: center; }# panel { background-color: #f0f0f0; padding: 50px; display: none; }
```

<style>

<head>

<body>

<div id="flip"> click to slide the panel down
or up </div>

<div id="panel"> Hello World! </div>

<body>

</html>

→ Jquery Animate (Introduction)

example :-

```

<html>
  <head>
    <script src="https://ajax.googleapis.com/
      ajax/libs/jquery/3.6.3/jquery.min.js">
  </script>
  <script>
    $(document).ready(function() {
      $("button").click(function() {
        var div = $("div");
        div.animate({height: '300px', opacity: '0.4',
          "slow"});
        div.animate({width: '300px', opacity: '0.8',
          "slow"});
        div.animate({height: '200px', opacity: '0.4',
          "slow"});
        div.animate({width: '200px', opacity: '0.8',
          "slow"});
        div.animate({height: '100px', opacity: '0.4',
          "slow"});
        div.animate({width: '100px', opacity: '0.8',
          "slow"});
      });
    });
  </script>
  <body>
    <div style="background-color: #986f2d; height:
      100px; width: 100px; position: relative; margin: auto;
      border-radius: 50%; border: 2px solid black; transition: all
      0.5s ease; border: 2px solid black; border-radius: 50%;></div>
    <button>Start Animation</button>
  </body>

```

200px; width: 200px; position: absolute;">>
 </div>
 </body>
 </html>

→ J.query stop()

example:

```
<html>
<head>
<script>
$(document).ready(function() {
    $('#flip').click(function() {
        $('#panel').slideDown(500);
    });
    $('#stop').click(function() {
        $('#panel').stop();
    });
});
</script>
<style>
#panel, #flip {
    padding: 5px;
    font-size: 28px;
    text-align: center;
    background-color: #555;
    color: white;
    border: solid 2px #666;
    border-radius: 3px;
}
```

```
# panel {
    padding: 50px;
    display: none;
}
```

```
<listyles>
```

```
<head>
```

```
<body>
```

```
<button id="stop"> Stop Sliding </button>
```

```
<div id="flip"> Click to slide down panel
```

```
<div> motion blur. Ground &
```

```
<div id="panel"> Hello World! </div>
```

```
<body> motion blur. "got it!" &
```

```
<head> & C2902. "closed!" &
```

```
<flip>
```

→ J. query callback functions :- L.T.

example :-

```

<html>
<head>
<script>
$(document).ready(function() {
  $("button").click(function() {
    $("p").hide("slow", function() {
      alert("The paragraph has now hidden");
    });
  });
});
</script>
</head>
<body>

```

<button> Hide </button>

<p> This is a paragraph with little content </p>

```

<body>
<html>

```

→ JQUERY Chaining :-

Example :-

```
<html>
  <head>
    <script>
      $(document).ready(function() {
        $("button").click(function() {
          $("#p1").css("color", "red")
            .slideUp(2000)
            .slideDown(2000);
        });
      });
    </script>
  </head>
  <body>
```

```
<p id="p1">jQuery is fun!</p>
```

```
<button>click me</button>
```

```
</body>
```

```
</html>
```

→ Jquery keypress() method

Example :-

<html>

<head>

<script>

```
i=0; var str="";  
$(document).ready(function(){  
    $("input").keypress(function(){  
        $("span").text(i++);  
        str+=String.fromCharCode(event.keyCode);  
        if(i==2) {  
            str="";  
            str+=String.fromCharCode(event.keyCode);  
            str+=String.fromCharCode(event.keyCode);  
        }  
    })});
```

</head>

<body>

Enter your name: <input type="text">

<p> Key press: </p>

<body>

<html>

→ Jquery blur() method:

Example :

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/
libs/jquery/3.6.3/jquery.min.js"></script>
<script>$(document).ready(function() {
  $("input").blur(function() {
    alert("This input field has lost its
    focus!");
  });
});</script>
<script>$(document).ready(function() {
  $("input").blur(function() {
    alert("This input field has lost its
    focus!");
  });
});</script>
<body>
```

Enter your name: <input type="text">

(P) write something in the input field,
cmd then click outside the field to lose
focus (blur) (P)

</body>

</html>