

→ jQuery keypress() method:

Example:

```
<html>
<head>
<script>
    i=0;
    $(document).ready(function() {
        $("input").keypress(function() {
            $("span").text(i+1);
        });
    });
</script>
</head>
<body>
```

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

```
<p> key Press: <span>0</span> </p>
</body>
</html>
```

jQuery Animate:

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});
div.animate ({width: '300px', opacity: '0.8'},
'slow');
div.animate ({height: '100px', opacity: '0.4'},
'slow');
div.animate ({width: '400px', opacity:
'0.8'}, 'slow');
});
});
</script>
</head>
<body>
<button>start Animation</button>
<div style="background: #98fb98;
height: 100px; width: 100px; position:
absolute;"></div>
</body>
</html>
```


</script>

* Fade Toggle() Example:

<script>

```

$( "button" ).click(function()
{
    $( "#div1" ).fadeToggle();
    $( "#div2" ).fadeToggle( "slow" );
    $( "#div3" ).fadeToggle( 3000 );
});

```

</script>

* Fade To() Example:

<script>

```

$( "button" ).click(function()
{
    $( "#div1" ).fadeTo( "slow", 0.5 );
    $( "#div2" ).fadeTo( "slow", 0.4 );
    $( "#div3" ).fadeTo( "slow", 0.7 );
});

```

</script>

<p> click or move the mouse pointer over this Paragraph. </p>

</body>
</html>

* JQuery Effects

→ Hide and show

Example:-

```
<html>
<head>
<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>
```



```

<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 ")

Example:

```

<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>
</body>
</html>

```

→ Fading:-

* jquery Fading methods

with jquery you can fade an element in and out of visibility.

jquery has the following fade methods:-

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

⇒ Fade In() Example:-

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

* Fade out() Example:-

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


Browser Compatibility: Bootstrap
is compatible with all modern
browsers

→ Bootstrap is a product of
Twitter full name is: TWITTER
BOOTSTRAP.

→ Bootstrap is nothing but the ready
made library of CSS and JS.

Grid Class:

→ Container is a collection of Rows

→ Row is a collection of Columns.

→ In single row = 12 Columns.

→ What is CDN link?

→ CDN (Content Delivery Network)
MAXCDN Provides CDN support for
Bootstrap's CSS and JavaScript.
You must also include jQuery!

`$("#test").hide()` - hides the element with `id="test"`.

Example

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.2/jquery.min.js">
```

```
</script>
```

```
<script>
```

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

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

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

```
  });
```

```
});
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<p> If you click on me
```

```
I will disappear. </p>
```

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

```
<p> Click me too! </p>
```

```
</body>
```

```
</html>
```


* JQuery

- JQuery is a light weight, write less, do more, JavaScript library.
- JQuery also simplifies a lot of the complicated things from JavaScript, like Ajax calls and DOM manipulation
- The JQuery library contains the following features:

- HTML manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- Utilities

* JQuery Syntax:

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

- A \$ sign to define/access jQuery.

Ex:

```
$(this).hide().hide the current element.  
$( "p" ).hide() hides all <p> elements  
$( ".test" ).hide() hides all elements with class = test
```

* Jquery Events:

All the different visitors' actions that a web page can respond to 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" ).one(
```

```
  mouseenter: function() {
    $(this).css("background-color",
    "light gray");
  }
```

```
})
```

```
  mouseleave: function() {
```

```
    $(this).css("background-color",
    "light blue");
  }
```

```
})
```

```
click: function() {
```

```
  $(this).css("background-color",
    "yellow");
}
```

```
}
```

```
});
```

```
});
```

```
</script>
```

```
</head>
```

```
<body>
```


X Jquery Selectors

→ The element selector:
The jquery element selector selects elements based on the element name.

Example:

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

→ The #id selector

Ex \$("#test")

Example:

```
<html>
<head>
<script>
$(document).ready(function){
    $("button").click(function){
        $("#test").hide();
    });
}
</script>
</head>
<body>
```

Bootstrap

1. What is Bootstrap?

- Bootstrap is a free front-end framework for fast and easier web development.
- Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.
- Bootstrap also gives you the ability to easily create responsive designs.

2. Why use Bootstrap?

→ Advantages of Bootstrap:

- Easy to use: Anybody with just basic knowledge of HTML and CSS can start using Bootstrap.
- Responsive features: Bootstrap's responsive CSS adjusts to phones, tablets, and desktops.
- Mobile-first approach: In Bootstrap, mobile-first styles are part of the core framework.