# jQuery

1. jQuery is lightweight JavaScript library .
2. jQuery decrease the syntax of JavaScript.
3. It shorts all selectors .
4. Browser independent

**jQuery Syntax** : **$(*selector*).*action*()**

1. $ = sign to define/access jQuery
2. (selector) = find HTML elements
3. action() = performed on the element(s)

**Examples:**

$(this).hide() - hides the current element.

$("p").hide() - hides all <p> elements.

$(".test").hide() - hides all elements with class="test".

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

**The Document Ready Event :**

The code inserted between $(document).ready( ) is executed only once when page is ready for JavaScript code to execute.

**$(document).ready(function(){  
   *// jQuery methods go here...*  
});**

**Shorter form:**

**$(document).ready( ) ⬄ $( )**

**$(function(){  
   *// jQuery methods go here...*  
});**

# Selectors

1. **Element Selector :** $("element\_name")
2. **Id Selector :** $("#id\_name")
3. **Class Selector :** $(“.class\_name”)

**More Examples of jQuery Selectors:**

1. **$("\*")** - Selects all elements.
2. **$(this)** - Selects the current HTML element.
3. **$("p.intro")** : Selects all <p> elements with class="intro".
4. **$("p:first")** - Selects the first <p> element.
5. **$("ul li:first")** - Selects the first <li> element of the first <ul>
6. **$("ul li:first-child")** - Selects the first <li> element of every <ul>
7. **$("[href]")** - Selects all elements with an href attribute
8. **$("a[target='\_blank']")** - Selects all <a> elements with a target attribute value = "\_blank"
9. **$("a[target!='\_blank']")** - Selects all <a> elements with a target attribute value != "\_blank"
10. **$(":button") -** Selects all <button> elements and <input> elements of type="button"
11. **$("tr:even")** - Selects all even <tr> elements.
12. **$("tr:odd")** - Selects all odd <tr> elements

# Events

**code :**

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

**$(“#box”).click(function(){**

**var a = $(‘#box’).html();**

**Console.log(a);**

**}**

**})**

**Mouse Events of jQuery:**

1. Click
2. Dblclick
3. Mouseenter
4. Mouseleave
5. contextMenu

**Keyboard Events of jQuery:**

1. Keypress
2. Keydown
3. Keyup

**Form Events of jQuery:**

1. **Submit** : when submit the form.
2. **Select**: when select the form select tag.
3. **Change**: when change the value of input text.
4. **Focus** : in form when we focus on input element it works.
5. **Blur**: when focus remove from input element it works

**Document Window Events of jQuery:**

1. **Load // not work**
2. **Unload // not work**
3. **Resize :**  when
4. **Scroll** : when we want to scroll it work.

**code :**

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

**$(“#box”).scroll(function(){**

**var a = $(‘#box’).html();**

**Console.log(a);**

**}**

**})**

# jQuery method

## html for GET

1. text()  - Returns the text content of selected elements

**code :**

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

**var x =$(".amount").text();**

**console.log(x);**

**})**

1. html()   - Returns HTML element.

**code :**

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

**var x =$(".amount").html();**

**console.log(x);**

**})**

1. val() - Returns the value of form fields.

**code :**

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

**var x =$(".amount").val();**

**console.log(x);**

**})**

1. attr() – Return attribute of element .

**code :**

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

**var x =$(".amount").attr();**

**console.log(x);**

**})**

## html SET :

1. text()  - Sets the text content of selected elements.

**code :**

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

**$(".amount").text(“ hello world “);**

**console.log(x);**

**})**

1. html()   - Sets HTML element.

**code :**

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

**$(".amount").html(“<h1> helo wolo </h1>”);**

**console.log(x);**

**})**

1. val() - Sets or returns the value of form fields.

**code :**

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

**$(".amount").val(“ shuvo ”);**

**console.log(x);**

**})**

1. attr() – return attribute of element .

**code :**

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

**$(".amount").attr(“class” , “red”);**

**console.log(x);**

**})**

## Add Elements**:**

1. **append**() - Inserts content at the end of the selected elements.

**code :**

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

**$(".amount").append(“<h1> hello world </h1>”);**

**})**

1. **prepend**() - Inserts content at the beginning of the selected elements

**code :**

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

**$(".amount").prepend(“<h1> hello world </h1>”);**

**})**

1. **after**() - Inserts content after the selected elements

**code :**

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

**$(".amount").after(“<h1> hello world </h1>”);**

**})**

1. **before**() - Inserts content before the selected elements

**code :**

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

**$(".amount").before(“<h1> hello world </h1>”);**

**})**

## Remove Elements:

1. remove() - Removes the selected element (and its child elements).

**code :**

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

**$(".amount").remove(“<h1> hello world </h1>”);**

**})**

1. empty() - Removes the child elements from the selected element.

**code :**

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

**$(".amount").empty(“<h1> hello world </h1>”);**

**})**

## CSS Classes:

1. **addClass() -** Adds one or more classes to the selected elements.

**code :**

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

**$(".amount").addClass(“first main”);**

**})**

1. **removeClass()** - Removes one or more classes from the selected elements

**code :**

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

**$(".amount").removeClass(“first”);**

**})**

1. **toggleClass()** - Toggles between adding/removing classes from the selected elements.

**code :**

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

**$(".amount").toggleClass(“first”);**

**})**

1. **css() -** we can set CSS style by this method.

**Syntax :**

**css( "propertyname" , "value");**

**code :**

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

**$(".amount").css(“border”, “2px solid red”);**

**})**

## On / off method :

It is use for multiple event on same element .

**Single event :**

**code :**

**$(document).ready(function()**

**$(".amount").on(“click”, function(){**

**Console.log(“hello”);**

**})**

**})**

**Multiple event :**

**Code:**

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

**$(".amount").on({**

**“click : function(){**

**Console.log(“click”);**

**},**

**“mouseover” : function(){**

**Console.log(“mouseover”);**

**},**

**“mouseout” : function(){**

**Console.log(“mouseout”);**

**}**

**});**

**});**

## Dimension Methods:

1. width()
2. height()
3. innerWidth()
4. innerHeight()
5. outerWidth()
6. outerHeight()

## each

1. it works as loop
2. it searches all same tag**.**

**Code :**

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

**$(“li”).each(function(){**

**Console.log($(this).text());**

**});**

**});**