**jQuery and project building steps**

1. **Adding jquery to website**

<script

      src="https://code.jquery.com/jquery-3.6.3.js"

      integrity="sha256-nQLuAZGRRcILA+6dMBOvcRh5Pe310sBpanc6+QBmyVM="

      crossorigin="anonymous"></script>

* 1. Just add the script to CDN of jQuery at the end but before JavaScript CDN link as shown above.

1. [**Selecting elements with jQuery**](https://www.w3schools.com/jquery/jquery_selectors.asp)
   1. The $ sign works like **documents.querySelectorAll().** It is a short hand, whatever you want to select class, id, tag element just write it the same way you would in javascript within quotes. It will return all the elements with given property. You must specify either like an array if you want on a specific element or give it a separate class. Eg –
      1. $(“tag”)
      2. $(“.class”)
      3. $(“#id”)
2. **Manipulating Styles with jQuery**It is as simple as this -$(“something”). css({"propertyname":"value","propertyname":"value",...});
3. **[Manipulating attributes with jQuery](https://www.w3schools.com/jquery/jquery_dom_set.asp" \l ":~:text=Set%20Attributes%20%2D%20attr())**
   1. **GET DATA** , Some, jQuery methods for DOM manipulation are:
      1. **text**() - Sets or returns the text content of selected elements
      2. **html**() - Sets or returns the content of selected elements (including HTML markup)
      3. **val**() - Sets or returns the value of form fields
      4. **attr()** - method is used to get attribute values.
   2. **SET DATA**All above three have a callback function which has two parameters: the **index of the current element in the list of elements selected and the original (old) value**. You then **return the string you wish to use as the new value from the function.**The following example demonstrates text() and html() with a callback function:

$("#btn1").click(function(){

$("#test1").**text**(function(i, origText){ return "Old text: " + origText + " New text: Hello world! (index: " + i + ")"; }); })

* 1. **SET ATTR**: The attr() method also allows you to set multiple attributes at the same time. The second argument of the attr function can be 1. New value 2. Callback function

The following example demonstrates how to set both the href and title attributes at the same time:

Example: $("button").click(function(){ $("#w3s").**attr**({ "**href**" : "*https://www.w3schools.com/jquery*/", "**title**" : *"W3Schools jQuery Tutorial*" });

$("#w3s").**attr**("href", **function**( i, origValue){ return origValue + "/jquery/"; }); });

1. **Add event listener with jQuery**

$(document).keydown(function() {

    if (!started) {

      $("#level-title").text("Level " + level);

      nextSequence();

      started = true;

    }

  });

1. **Adding and removing elements – this can be used to add or remove a class in some mili seconds to create an animation effect as well.**

$("body").addClass("game-over");

      $("#level-title").text("Game Over, Press Any Key to Restart");

      setTimeout(function () {

        $("body").removeClass("game-over");

      }, 200);

1. **Website Animations –** There is a class? called jQuery effects we can use these functions to create many animation effects. [Check here](https://www.w3schools.com/jquery/jquery_ref_effects.asp)