Jquery

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| What is jquery | One of framework Framework of javascript to shorten code and boost |
|  | The speed of javascript |
| How to add jquery |  |
| Cdn | Search the CDN link in this website: |
|  | https://releases.jquery.com/ |
|  | Then in html files (before the end of body tag) and before other <script> tag |
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| Selector in Jquery | To select you can use “$” or jQuery() inside javascript file |
|  | For example: |
|  | $(“h1”).css(“color”,”red”); |
|  | For more jquery-selector type look up in website below: |
|  | https://www.w3schools.com/jquery/jquery\_ref\_selectors.asp |
| \*\*if the jquery cdn located in  <head></head> | Check whether the jquery file is loaded/or not first before run the jquery code |
|  | For example: |
|  | $(document).read(function(){ |
|  | $(“h1”).css(“color”,”red”); //jquery codes |
|  | }); |
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| The rule of selector in jquery | Since There is no : document.querySelectorAll(),document.getElementsByTagName(),  document.getElementsByClassName() |
|  | The data that have 1 more index will be returned as array |
|  | For example: |
|  | In html Javascript file |
|  | <ul> console.log(document.querySelector(“ul>li”); |
|  | <li>Test1</li> //will print the <li>Test1</li> only since its a direct child of ul |
|  | <li>Test2</li> console.log($(“ul>li”)); |
|  | <li>Test3</li> //will print all of <li></li> and its contents |
|  | </ul> |
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| Manipulating style in jquery | Modify the css of html tag elment by using below format: |
|  | $(“<Selector>”).css(“<properties>”,”value”); |
|  | For example: |
|  | $(“li”).css(“list-style”,”none”); |
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| Adding CSS class in jquery | Just like in normal javascript you can add/remove class in jquery |
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| To add class | <Jquery selector>.addClass(“class name”); |
|  | Also you can add multiple class in 1 code |
|  | <Jquery Selector>.addClass(“class name class name ...)” ; |
|  | For example: |
|  | $(h1).addClass(“header margin-50”); //add header and margin-50 class to |
|  | h1 |
| To remove class | <Jquery selector>.removeClass(“class name”); |
|  | --you can also remove multiple class just like add multiple class |
|  |  |
| To check whether specified | <Jquery selector>.hasClass(“class name”); |
| Class exist or not | -- it will return true( if it exist) or false ( if not exist) |
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| Modify the text content of html | In normal javascript to modify text/inner content of html use .innerHTML |
| (Jquery) | But for jquery selector you can use .text() instead |
|  | For example |
|  | $(“h1”).text(“Hello world”); // change the text inside <h1> into hello world |
|  | Or use .html() to add text and also html tag inside |
|  | For example |
|  | $(“h1”).html(“<em>Hello World</em>”); |
|  |  |
| Modify the attribute of html | To modify html attributes and its value you can use the format below: |
| (Jquery) | <jquery-selector>.attr(“<attributes-name>”,”<value>”)l |
|  |  |
|  | For example: |
|  | $(“a”).attr(“href”,”https:\\www.yahoo.com”); |
|  | //change the href attributes value into www.yahoo.com |
|  |  |
|  | \*\*also you can check all class which inside html element by entering this command in developer console |
|  | For example: |
|  | $(h1).attr(“class”); --> it will print all class values inside h1 |
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| Adding eventlistener | Like in the javascript , in jquery you can also add eventlistener to mouse,keyboard,etc: |
| (jquery) |  |
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| Mousclick event listener | Format: <jquery-selector>.click(function(){ <code in here> }): |
|  | Example: |
|  | $(“button”).click(function(){ //add event to all button inside html |
|  | alert(“You clicked a button!”); |
|  | }); |
| Keystroke(keyboard) | Format:<jquery-selector>.click(function(event){ <code> |
| Event listener | }); |
|  | \*\*event is to get the details of keypress event for example: |
|  | \*what key is being pressed,etc |
|  | \*you can also declare document inside the $() to select the whole html page |
|  | For example: |
|  | $(document).keypress(function(event){ |
|  | $("h1").text("You Pressed "+event.key+" button"); |
|  | }); |
|  |  |
| Add eventlistener in general | Instead of using .click,.keypress you can also use .on(“<event-type>”,..); |
|  | To add an event listener |
|  | For example: |
|  | $(“h1”).on(“mouseover”,function(){ |
|  | $(“h1”).css(“color”,”purple”); |
|  | }); |
|  | ++for event-type reference you can browse website below: |
|  | https://developer.mozilla.org/en-US/docs/Web/Events |
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| Create html element using | You can add html element using jquery |
| Jquery |  |
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| <jquery-selector>.after(“<html tag>”) | Add specified html tag 1line after html tag that pointed by jquery-selector |
|  | For example: |
|  | In html (before apply jquery) In javascript |
|  | <h1>Hello World</h1> $(“h1”).after(“<h2>Jquery</ h2>”); |
|  |  |
|  | Result: |
|  | <h1>Hello World</h1><h2>jquery</h2> |
|  |  |
| <jquery-selector>.before(“<htmltag>”) | Add specified html tag 1line before html tag that pointed by jquery-selector |
|  | For example: |
|  | In html (before apply jquery) In javascript |
|  | <h1>Hello World</h1> $(“h1”).before(“<h2>Welcome</ h2>”); |
|  | Result: |
|  | <h2>Welcome</h2> <h1>Hello World</h1> |
|  |  |
|  |  |
| <jquery-selector>.append(“<htmltag>”) | Add specified html inside html tag that pointed by jquery-selector after the content of the element |
|  | For example: |
|  | In html (before apply jquery) In javascript |
|  | <h1>Hello World</h1> $(“h1”).append(“<em>Jquery</ em>”); |
|  | Result: |
|  | <h1>Hello World<em>Jquery</em></h1> |
|  |  |
| <jquery-selector>.prepend(“<htmltag>”) | Add specified html inside html tag that pointed by jquery-selector before the content of the element |
|  | For example: |
|  | In html (before apply jquery) In javascript |
|  | |  | | --- | | <h1>Hello World</h1> $(“h1”).prepend(“<em>Jquery</ em>”); | |
|  | Result: |
|  | <h1><em>Jquery</em>Hello World</h1> |
|  |  |
| <jquery-selector>.remove(); | Remove specified html tag that pointed by jquery-selector |
|  | For example: |
|  | $(“h2”).remove(); //remove all <h2> tag in html |
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| Adding simple Animation in jquery | You can easily add prebuilt animation in jquery() |
|  | Like: .hide(),.fadein(),.fadeout(),.slideUp(),.slideDown() |
|  | Format: <jquery-selectory>.hide()/.fadein(),etc |
|  | Also you can add toggle to set on/off to fade and slide animation |
|  | Example: |
|  | $(“h2”).fadeToggle(); // |
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| Add basic custom animation in jquery | Using .animate(“<css-properties>”); |
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