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| **Javascript** | **JQuery** |  |
| document.querySelectorAll("article#first p.summary"); | $("article#first p.summary"); | fetches nodes matching selector |
| document.querySelector(*selector*)  document.getElementById(*idname*)  document.getElementsByTagName(*tagname*)  document.getElementsByClassName(*class*) | $("#*idname*")  $("*tagname*")  $(".*class*") | fetches the first matching node only  fetches a single node by its ID name  fetches nodes matching an element (e.g. h1, p, strong, etc).  fetches nodes with a specific class name |
| *elements[1].*innerHtml = "<b>text</b>"  *element.*innerText = "text"  *element.*appendChild(*element2*) | $(*element).*html*(*"<b>text</b>"*)*  $(*element).*text*(*"text"*)*  $(*element).*append("<b>text</b>")  $(*element2).*appendTo(*element)*  $(*element).*wrap("div") | set or get inner content of the element  wrap the element with div |
| document.createElement("div"); | $("<div>"); | create new element |
| *element*.setAttribute("align","right") | $(*element).*attr(align: "right")  $(*element).*val(*value*) | set attribute  set the value of element |
| window.onload(*function*) | $(document).ready(function() {  });  $(function() {  }); | run function when DOM is fully loaded |
| *element.*onclick(*function*)  *element.*event("click",*function*)  *element.*addEventListener("click",*function*) | *$(element).click(function())*  *$(element).on("click",function)*  *$(element).one(function)* | click event handling |
| *element*.fireEvent("click") | $(*elements).*each(*function*)  $(*element*).trigger("click") | execute function to each element  execute handler of event |
| form.onsubmit *= function* | *$(form element).*submit(function()) | bind an event handler to the "submit" event |
| setInterval(*function*, 5000)  setTimeout(*function*, 5000)  clearInterval |  | execute function in 5000 ms |
| *element.*style.cssText *= css style*  *element.*classesList.add*(class)*  *element.*className *= class*  *element.*classesList.contains*(class)* | $(*element*).css("color", "red")  $(*element*).addClass(*class*)  $(*element*).toggleClass(*class*)  $(*element*).hasClass(*class*) | set css attribute  add class to element |
|  | $.fn.*functionName = function* | define user function |
| AJAX  myReq = new XMLHTTPRequest()  myReq.onreadystatechange = function() {  alert(myReq.responseText);  }  myReq.timeout = 30000;  myReq.open("GET",*URL*, true)  myReq.send(null)  myReq.setRequestHeader('Content-Type', 'application/x-www-form-urlencoded');  //…POST REQUEST  var params = 'name=' + encodeURIComponent(name);  myReq.open("POST",*URL*, true)  myReq.send(params) | $*element*.load(*URL*)  $.get() / .getJSON() / .getScript()  $.post()  $.ajax({*URL, data, datatype, success, error, statusCode*})  .error(*function*)  .success(*function*)  .complete(*function*) |  |
| ARRAYS  Array.push()  Array.pop()  Array.sort() | $.each(*array, function*)  $.inArray()  $.map(*array, function*)  $.grep(*array, function*) |  |
| REGEXPS  *regexp*.test(/hello/);  *str*.replace(/h+/, “mytext”); | EFFECTS  .hide()  .fadeOut()  .slide()  .animate(*style*, *speed*)  .accordion() |  |
| JSON  JSON.parse(*strings*)  JSON.stringify(*JSONexp*) | $.parseJSON(*json*) |  |
| OOP  function CN(a, b, c) {  this.name = a;  }  CN.prototype.newFunc = *function*  CN.prototype = new *BaseClass* | .extend(*class1*, *class2*) |  |