## **Selecting HTML Elements with JavaScript**

## Hello

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| December | Consider Sources National Performance Name(op Application Satisfy Significant Satisfy Signif # ##COMMITTERSON TO PROPERTY OF THE PROPERT - MONECOCCOMENT (First Description of the first Description of the firs ) //Element masss will the elements of particular name like 15 that's for list \* Motiment gettlementatyTeglame("11").objectoior = "red";

\* \* \*\*\*Compant Transformer Cannot bet properties of \*\*seedies (setting 'smior')
at uncompanyorists SASSTIT (empressus) 8 VIIIE:1 O Driaught Systembrium: Divable or prespected times ) document.getflewertsSyTagName("11")[2].style.color = "Furgle"; - Mocweent.getElementsMyTaghame[\*LL\*].lengthu + successfigetElementsSyClassiane("sto"); //ny class line nuttor class is sto \* #IDECOCCTION (Authorism)

\* GROUND THE CONTROL OF 4600.3

## Hello

- Click Me
  - Google
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```
> document.getElementsByTagName("li"); //Get List

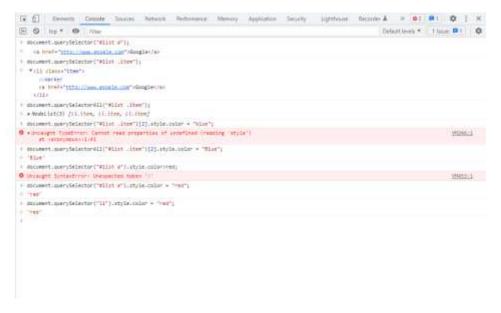
⟨ ▼HTMLCollection(3) [li.list, li.list, li.list] []
   ▶0: li.list
   ▶ 1: li.list
   ▶ 2: 1i.1ist
    length: 3
    ▶ [[Prototype]]: HTMLCollection
> //Element means all the elements of particular name like li that's for list
> document.getElementsByTagName("li").style.color = "red";
Uncaught TypeError: Cannot set properties of undefined (setting 'color')
     at <anonymous>:1:49
  (anonymous) @ VM368:1
O Uncaught SyntaxError: Invalid or unexpected token
> document.getElementsByTagName("li")[2].style.color = "Purple";
< 'Purple'</pre>
> document.getElementsByTagName("li").length;
<- 3
> document.getElementsByClassName("btn");
                                             //by class like button class is btn

⟨ ► HTMLCollection [button.btn]

> document.getElementsByClassName("btn").style.color = 'red';
O ►Uncaught TypeError: Cannot set properties of undefined (setting 'color')
     at <anonymous>:1:52
> //The error is because we have to select class and particular class item like btn has only one item. Let's see
  document.getElementsByClassName("btn")[0].style.color = 'red';
> //By id
  document.getElementById("title");
    <h1 id="title">Hello</h1>
> //By id
  document.getElementById("title").innerHTML = "Good Bye!";
'Good Bye!'
> document.querySelector("#title");
    <h1 id="title">Good Bye!</h1>
> document.querySelector(".btn");
     <button class="btn" style=":active: color:red;">Click Me</button>
> document.querySelector("li a");
    <a href="http://www.google.com">Google</a>
> document.querySelector("a");
     <a href="http://www.google.com">Google</a>
> document.querySelector("li.item");
< null
> document.querySelector(".item");
< null
//Change class name to item to get result instead of null
undefined
```

Above code is now improved. So don't try to change anything.





## Hello



- Google
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```
> document.querySelector("#list a");
    <a href="http://www.google.com">Google</a>
 > document.querySelector("#list .item");
 < ▼<li class="item">
       ::marker
       <a href="http://www.google.com">Google</a>
 > document.querySelectorAll("#list .item");
 ♦ NodeList(3) [li.item, li.item, li.item]
 > document.querySelector("#list .item")[2].style.color = "blue";
 O ►Uncaught TypeError: Cannot read properties of undefined (reading 'style')
       at <anonymous>:1:41
 > document.querySelectorAll("#list .item")[2].style.color = "Blue";
 < 'Blue'</pre>
 > document.querySelector("#list a").style.color:red;
 Uncaught SyntaxError: Unexpected token ':'
 > document.querySelector("#list a").style.color = "red";
 > document.querySelector("li").style.color = "red";
 'red'
Code:
<!DOCTYPE html>
<html lang="en" dir="ltr">
 <head>
  <meta charset="utf-8">
  <title>My Website</title>
  <link rel="stylesheet" href="css/styles3.css">
 </head>
 <body>
  <h1 id="title">Hello</h1>
  <input type="checkbox">
  <button class="btn" style=":active: color:red;" >Click Me</button>
```

```
<!-- Add list -->

<a href="http://www.google.com">Google</a>

cli class="item">Second
cli class="item">Third

</rr>
<script src="index3.js" charset="utf-8"></script></body></html>
```