**DOM Elements selection using JavaScript**

**Old Version**

Previously we can select the HTML elements by three ways

1. document.get**Elements**ByClassName()
2. x.get**Element**ById()
3. x. get**Elements**ByTagName()

Before explaining these 3 method have you noticed that in 1 and 3 element in plural form while element in 2 is in singular form. We will understand why 2nd one has no s in it.

**Reference Code**

<main class="maincontent">

        <article class="person" id="person\_\_details">

          <h1 class="person\_\_name">Ron</h1>

          <ul class="person\_\_information">

            <li class="person person\_\_age">19</li>

            <li class="person person\_\_email">ron@email.com</li>

            <li class="person person\_\_phone">8976543210</li>

          </ul>

          <h1 class="person\_\_name">James</h1>

          <ul class="person\_\_information">

            <li class="person person\_\_age">21</li>

            <li class="person person\_\_email">james@email.com</li>

            <li class="person person\_\_phone">9876543210</li>

          </ul>

        </article>

 </main>

1. **document.getElementsByClassName()**

**return: HTMLCollection**

The **getElementsByClassName** method of [Document](https://developer.mozilla.org/en-US/docs/Web/API/Document) interface returns an array-like object of all child elements which have all of the given class name(s).

document.getElementsByClassName('person')

return elements which have person word in its class

There are 7 elements which have person in it.

article, li, li ,li ,li ,li ,li ,li.

1. <article class="person" id="person\_\_details">
2. <li class="person person\_\_age">19</li>
3. <li class="person person\_\_email">ron@email.com</li>
4. <li class="person person\_\_phone">8976543210</li>
5. <li class="person person\_\_age">21</li>
6. <li class="person person\_\_email">james@email.com</li>
7. <li class="person person\_\_phone">9876543210</li>
8. x.get**Element**ById()

**return** : single element which have following id

**Note**: what if two or element have same id.

**Then return it the first element only.**

Here x can have two types of values

1. **x = document**