**Question 1**

By how many ways we can access elements in the DOM and write about them in brief?

Answer:

* Finding HTML elements by id
* Finding HTML elements by tag name
* Finding HTML elements by class name
* Finding HTML elements by CSS selectors
* Finding HTML elements by HTML object collections

**Finding HTML elements by id**

* The easiest way to find an HTML element in the DOM, is by using the element id
* If the element is found, the method will return the element as an object (in myElement).
* If the element is not found, myElement will contain null.
* The id is used to uniquely identify an HTML element within the document. By rules, the id root is unique within the document; no other elements can have this root id.
* The id is case-sensitive. For example, the 'root' and 'Root' are totally different id.
* To select the element by its id, you use the document.getElementById method.

**Finding HTML elements by tag name**

* The getElementsByTagName() is a method of the document object or a specific DOM element.
* The getElementsByTagName() method accepts a tag name and returns a live HTMLCollection of elements with the matching tag name in the order which they appear in the document.

**Finding HTML elements by class name**

* The value of the class attribute is a space-separated list of the classes of the element. The classes are case-sensitive.
* The getElementsByClassName() method is used for selecting or getting the elements through their class name value. This DOM method returns an array-like object that consists of all the elements having the specified classname. On calling the getElementsByClassName() method on any particular element, it will search the whole document and will return only those elements which match the specified or given class name.