**Question 1**

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

**Answer:**

1. getElementById() : It is used to access an element from DOM tree structure. It will return the element that has ID attribute with the value.
2. getElementsByTagName() : It takes tag name as argument and return s a collection of all the nodes it finds in the document which are sort of tag.
3. getElementsByClassName() : It returns collection of all elements in the document with the specified class name.
4. querySelector() : It returns the first element that matches a specified CSS selector in the document.

**Question 2**

Write a javascript program that will take 2 numbers from the HTML page and display them on the

HTML page after the addition of those 2 numbers.

**Code:**

<!DOCTYPE html>

<html>

<head>

    <title>Assignment 4</title>

</head>

<body>

    Enter the First Number: <input type="text" id="val1"/>

    <br>

    Enter the Second Number: <input type="text" id="val2"/>

    <br>

    <button onclick="add()">Add</button>

    <input id="answer">

    <script src = "assignment4.js"></script>

</body>

</html>

function add(){

    var a, b,c;

    a=Number(document.getElementById("val1").value);

    b=Number(document.getElementById("val2").value);

    c=a+b;

    document.getElementById("answer").value=c;

}

**Output:**

