IT254 – WEB TECHNLOGIES AND APPLICATIONS
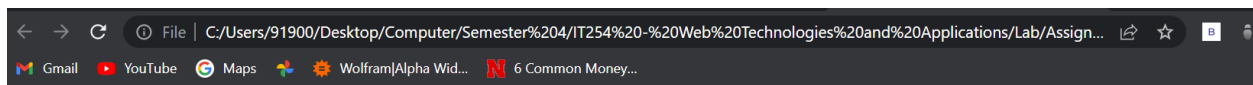
ASSIGNMENT 4
(JavaScript Assignment 1)

Name: **Sachin Prasanna**
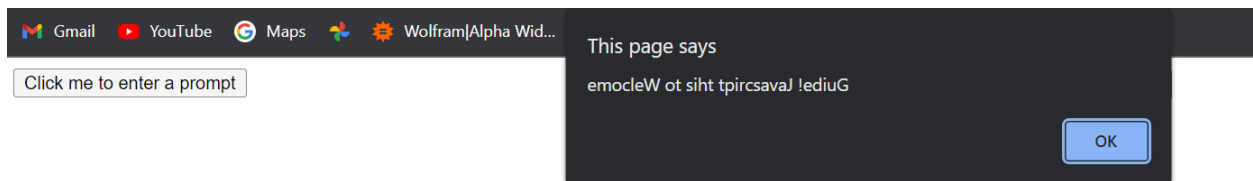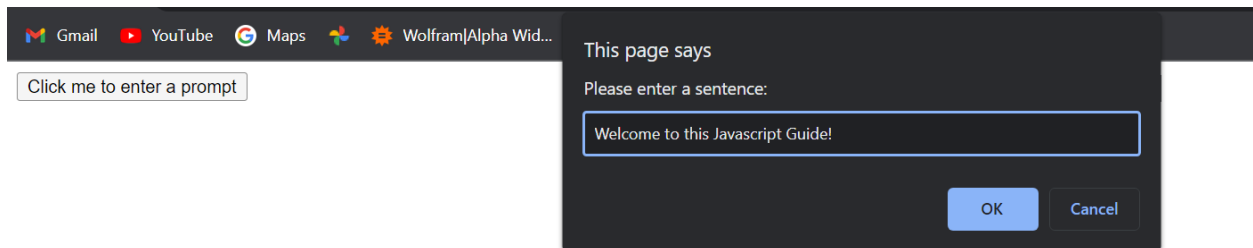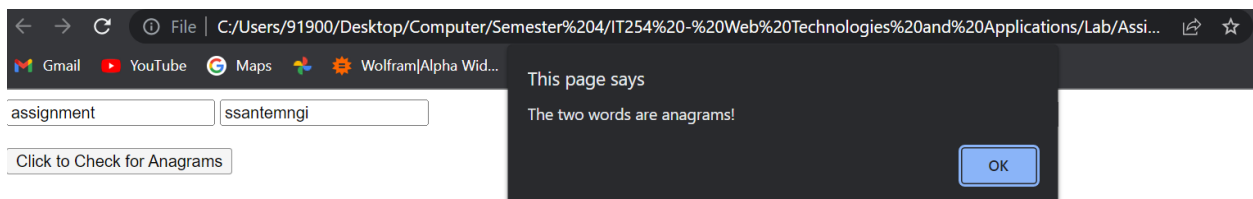Roll No.: **211IT058**

Outputs:

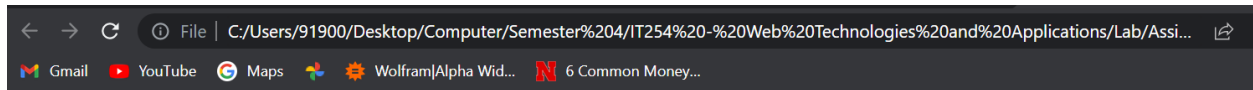**1.** A rectangular box is printed on the webpage as shown below.

2. When the user clicks on the button, a prompt is generated where the user can input a sentence, and the desired output is alerted back.

3. Two input boxes are displayed where the user can input their strings and get a desired output by clicking the button to check for Anagrams.

4. As evident by the time taken in each of the operations, finding sum is computationally lesser expensive than printing numbers to the webpage. This is because addition is a simple operation which involves just adding numbers, whereas printing numbers involves slightly more complex operations, like I/O operations to make the output be displayed in the monitor multiple times.

Printing Numbers:

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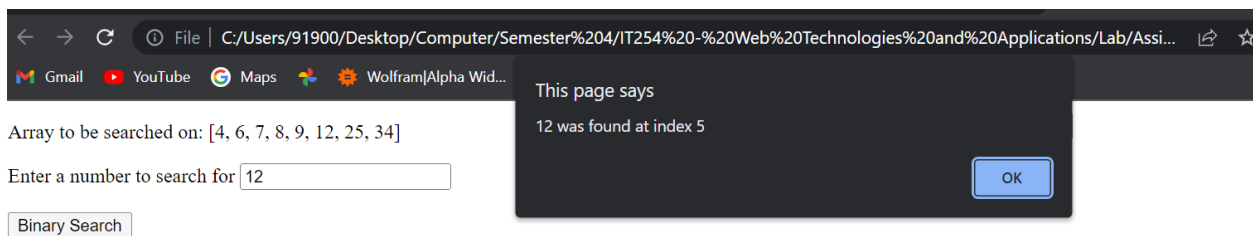9999
10000

Elapsed Time: 7ms

Computing Sum:

Computed Sum: 50005000

Elapsed Time: 0ms

5. A sample array is displayed to the user, and input is taken from the user to search on this array.
If found, the element along with its index is displayed,
Else, it displays element is not found.

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Array to be searched on: [4, 6, 7, 8, 9, 12, 25, 34]

Enter a number to search for 12

Binary Search

This page says

12 was found at index 5

OK

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This page says

100 was not found

OK

Array to be searched on: [4, 6, 7, 8, 9, 12, 25, 34]

Enter a number to search for 100

Binary Search

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