

University Institute of Information Technology

WEB TECHNOLOGIES (CS-566)

ASSIGNMENT/TAST NO. 1 (Spring 2023)

Instructor: Dr. Muhammad Habib

Due Date: 26th March, 2023

Question No. 1

Make a **clone** (front-end) of **Google** or similar using HTML and CSS and JavaScript.

Question No. 2

Take the following array:

```
const theList = ['Laurence', 'Svekis', true, 35, null, undefined, {test: 'one', score: 55}, ['one', 'two']];
```

Manipulate your array using various methods, such as pop(), push(), shift(), and unshift(), and transform it into the following:

```
["FIRST", "Svekis", "MIDDLE", "hello World", "LAST"]
```

You can take the following steps, or adopt your own approach:

- i. Remove the first item and the last item.
- ii. Add FIRST to the start of the array.
- iii. Assign hello World to the fourth item value.
- iv. Assign MIDDLE to the third index value.
- v. Add LAST to the last position in the array.
- vi. Output it to the console

Question No. 3

Create a recursive function Create a recursive function that counts up to 10. Invoke the function with different start numbers as the arguments that are passed into the function. The function should run until the value is greater than 10.

Question No. 4

SET TIMEOUT ORDER

Use the arrow format to create functions that output the values one and two to the console. Create a third function that outputs the value three to the console, and then invokes the first two functions.

Create a fourth function that outputs the word four to the console and also use `setTimeout()` to invoke the first function immediately and then the third function. What does your output look like in the console? Try to get the console to output:



Four
Three
One
Two
One

Submission Instructions:

1. You are required to submit this assignment in hard form in the class. If it's a holiday, then you will submit in next first class.
2. Also submit your assignment in soft form on Google Class within due date.
3. You will get Zero (0) marks after due date.
4. Do not copy assignment. Copied assignments will get zero (0) marks.