

GROUP FF1

Report Activity 2

README FILE

- Give the hardware and software requirements

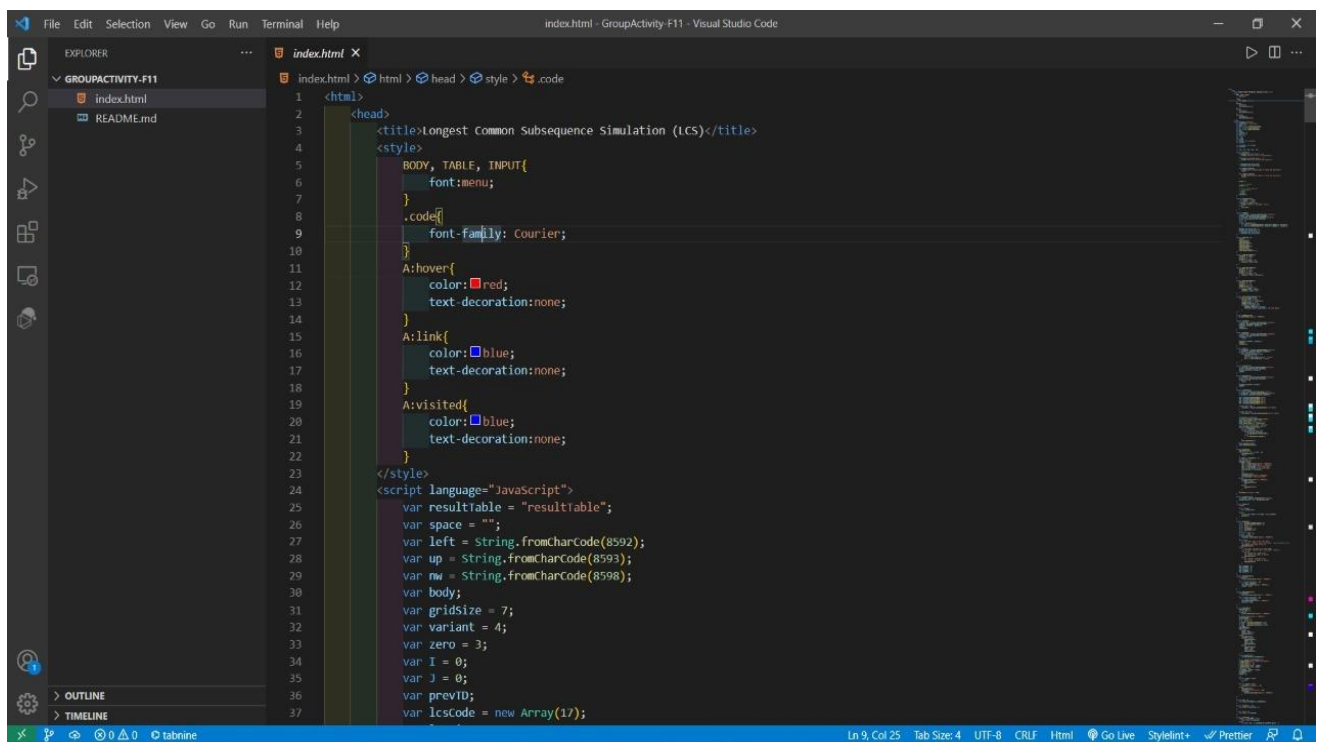
Hardware requirements are:

A normal pc or computer

Software requirements are:

Vs code with these extensions:

- Html css support
- Html snippets
- Eslint
- Live server
- Tslint
- Vs studio intellicode
- Tabnine



```
1 <html>
2 <head>
3   <title>Longest Common Subsequence Simulation (LCS)</title>
4   <style>
5     BODY, TABLE, INPUT{
6       font:menu;
7     }
8     .code{
9       font-family: Courier;
10    }
11    A: hover{
12      color: red;
13      text-decoration: none;
14    }
15    A: link{
16      color: blue;
17      text-decoration: none;
18    }
19    A: visited{
20      color: blue;
21      text-decoration: none;
22    }
23  </style>
24  <script language="JavaScript">
25    var resultTable = "resultTable";
26    var space = " ";
27    var left = String.fromCharCode(8592);
28    var up = String.fromCharCode(8593);
29    var nw = String.fromCharCode(8598);
30    var body;
31    var gridSize = 7;
32    var variant = 4;
33    var zero = 3;
34    var I = 0;
35    var J = 0;
36    var prevID;
37    var lcsCode = new Array(17);
```

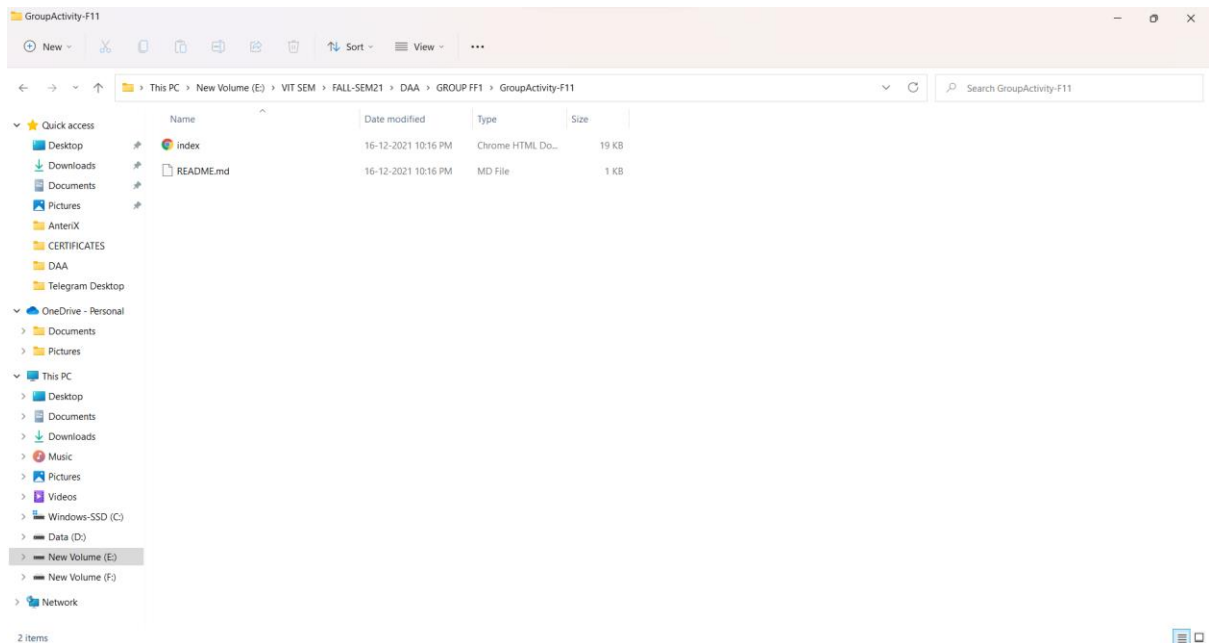
- How to place code files in the directory/location?

Here are the steps to follow:

1. Search <https://github.com/NikhilKD/GroupActivity-F11> on your web browser or download the zip file from mst or you can download through github link.
2. Your file would be downloaded on downloads section of your pc.
3. Extract the file.
4. Open GroupActivity-F11 folder.
5. Open your text editor on that path.
6. You can then view the source code in index.html file

Date: 16/12/2021[Thursday]

It will look like this in your file section:



- How to execute the code for getting output?

Here are following options:

- Download live server extension if you are using vscode for fast functionality.
or
- Right click on the index.html file then open with your browser.
or
- Just click on the link <https://nikhilkd.github.io/GroupActivity-F11/>

.git	15-12-2021 14:36	File folder	
index	15-12-2021 14:31	Brave HTML Docu...	19 KB
README	15-12-2021 14:35	Markdown Source ...	1 KB

Date: 16/12/2021[Thursday]

- Output of algorithm screenshots

At the time of giving input:

Longest Common Subsequence Simulation (LCS)

i: 0 X: 0	Step:	LCS-LENGTH (X, Y)	Execute LCS Length
j: 0 Y: 0		PRINT-LCS (b, X, i, j)	Execute PRINT LCS

Made by Group FF1

Submitted to: Dr. M.Thangavel

After getting the final output:

Longest Common Subsequence Simulation (LCS)

Input X	ABCEBDB
Input Y	EDCABA

BCBA

Figure 1 shows a Java Swing window titled "LCS Length". The window contains a text area with the following text:

```

Step: X= B not equal to Y= A
  HT, 0 <= i < 6 and 0 <= j < 6: (0,0)-(4,4)
  Use line numbers: 13 and 14.
  
```

Below the text area is a table representing the LCS Length matrix. The table has 6 rows and 6 columns. The first row and column are headers for indices 0 to 5. The table contains numerical values representing the length of the longest common subsequence. The path of the LCS is highlighted with a blue background and red numbers. The path starts at (5,5) with value 4, goes to (4,4) with value 3, then to (4,3) with value 2, then to (3,3) with value 1, then to (3,2) with value 1, then to (2,2) with value 1, then to (2,1) with value 1, then to (1,1) with value 1, then to (1,0) with value 1, then to (0,0) with value 0. The path ends at (0,0). The path is highlighted with a blue background and red numbers. The path is: (5,5) to (4,4) to (4,3) to (3,3) to (3,2) to (2,2) to (2,1) to (1,1) to (1,0) to (0,0).

	0	1	2	3	4	5
0	0	0	0	0	0	0
1	A	0	1	1	1	1
2	B	0	1	1	1	1
3	C	0	1	1	1	1
4	D	0	1	1	1	1
5	D	0	1	1	1	1
6	A	0	1	1	1	1
7	B	0	1	1	1	1

Below the table is a text area with the following text:

```

LCS = LENGTH (X, Y)
PRINT LCS (X, Y, 5)
  
```

The text area also contains a button labeled "Execute LCS Length".

Made by Group FF1

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