

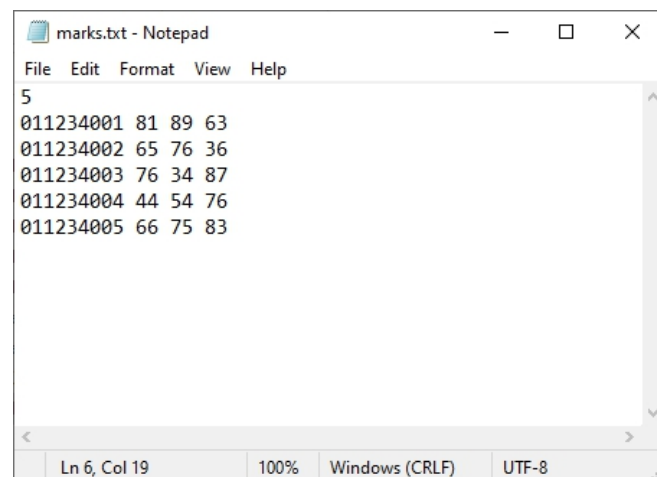
# Assignment

## Instruction:

1. Write your code in the c file named "assign.c".
2. **Avoid plagiarism. If you are found to adopt any unfair means you will get a straight 0.** You can discuss with your classmates, but do not share your code.
3. Upload your code (only the c file) in elms.
4. **Deadline is 18/01/2021 11:55 PM.**

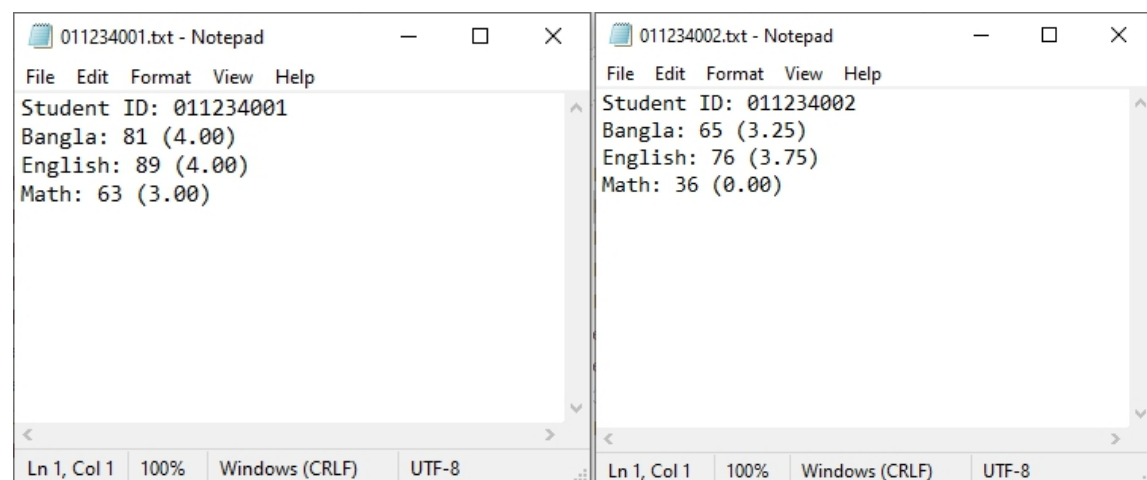
## Task:

In this assignment you will create an automatic grader. In the zip file you will find marks.txt file. This file contains the input for this assignment. The first line contains an integer (let it be  $n$ ) which is the total number students. Then there will be  $n$  lines containing information of the  $n$  students. In each of the  $n$  lines there will be student id, marks of bangla, english and math.



```
marks.txt - Notepad
File Edit Format View Help
5
011234001 81 89 63
011234002 65 76 36
011234003 76 34 87
011234004 44 54 76
011234005 66 75 83
Ln 6, Col 19 100% Windows (CRLF) UTF-8
```

Your task is to make gradesheets for individual students with his id, marks and grades for each of the three subjects. So, you will have to write  $n$  files each for individual students. The files will be named after each student's id. For example, you can refer to 011234001.txt, 011234002.txt or the other three text files to get an idea about output specification.



```
011234001.txt - Notepad
File Edit Format View Help
Student ID: 011234001
Bangla: 81 (4.00)
English: 89 (4.00)
Math: 63 (3.00)
Ln 1, Col 1 100% Windows (CRLF) UTF-8

011234002.txt - Notepad
File Edit Format View Help
Student ID: 011234002
Bangla: 65 (3.25)
English: 76 (3.75)
Math: 36 (0.00)
Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

In assign.c file I have already created the structure for keeping students marks. I have written the prototype function for calculating grade, and making gradesheets. Your task is to complete these two functions to process the input taken from marks.txt to produce the desire output.

Some hints:

- Id should be taken as string input. This will be helpful to create files named after each student's id. You may find strcpy and strcat function useful for this task.