

INF211

Functions in C Language

STATEMENTS

PROJECT-7

PROJECT-7: Mathematical operation, variables, printf/scanf, if, else, else if, for, while, function commands in C

Deadline is December 03, 2020 at 23:00.

Projects that are not delivered on time are not accepted.

Upload the project to the Project 7 assignment section of the INF211 class.

The questions can be asked to course lecturer Dr. Tuba Gözel and teaching assistant Suleyman TUNCEL under the Project 7 announcement of INF211 class Week8channel.

The questions should be programmed with C codes. The code filenames should be formatted as ID_N_P7_Q#.C

Note:

- # Do not forget to write the meaning of what you do in the code as a comment.
- # You must send the code files.
- # Code Filename should include school ID, the first letter of student's whole name (registered name in the student information system), Project Number and Question Number.

Filename format should be ID_FirstLetterofName_P#_Q#

Example: The code filename of Veli Zeki Doğan for question 1 should be 201029999_VZD_P7_Q1.C

Questions

- 1) The equivalency table of the grading system is in the Table-1. For the grades which are defined by user, please draw a flowchart and write a program that finds the letter grade equivalent. Please generate **a function out of the main function** that finds equivalence of grades in percent.

Table 1 The equivalency table

Percent grade	Letter grades
90-100	AA
80-89	BA
75-79	BB
70-74	CB
65-69	CC
60-64	DC
50-59	DD
40-49	FD
39 and below	FF

- 2) You should generate two variables and swap their values with each other, please do swapping out of the main function and only call this swapping function in the main function.
- 3) Please define 4 variables and find the sum of these variables, the sum of the square of these, the sum of the cubes of these and the sum of the fourth power of these. Lastly compare the result of these operations and the print the biggest one in these results. **Please define 4 functions** out of the main function that find desired summations and one more function find the biggest result of the summation. Only call user defined functions in main function.