

Subject: PRF192- PFC

Workshop 04

Name: Your_name_here

Student ID: Your_student_ID

Objectives:

(1) Practicing skills at analyzing and implementing programs using user-defined functions and array.

(2) Making familiar with function design, input and output of a function

Submission:

Please submit your work including a report and source code.

The report **MUST** be a pdf file. Name of the file should contain your name and your student ID, such as Workshop4_yourName_yourStudentID.pdf

The report must contain the pictures of all the test cases that you have done to test your programs

Name of the file containing source code is Workshop4_yourName_yourStudentID.c

Grading programs:

Write a menu to do two following functions:

1. Press "a" to generate an array containing n integers where each element is the sum of previous two integers.

Example: input 7, the output is 1 1 2 3 5 8 13

2. Press "b" to sort a given array of names to increasing alphabet. Test your code in main function.

Example: nameArray = {"Nguyen A", "Le C", "Doan E", "Tran B", "Huynh D"}, then array after sorted = {"Nguyen A", "Tran B", "Le C", "Huynh D", "Doan E"}

3. Press "q" to exit

4. Otherwise, the program will let you select the choice again.

Remember to design the prototypes of the functions first.

Please pay attention on **PLAGIARISM** that we have agreed at the beginning of the course.