

Programming Fundamentals (CS-118)

Assignment 03

Deadline: October 03, 2019 (12:00 After noon) (Submit on Slate)

Instructions:

1. Assignment submit only on slate not via Email acceptable.
2. ZIP all your codes in a folder with your Student ID.
3. Solve each problem in separate file, Name the code file with problem no (01.c, 02.c,.....)
4. Make sure your Program code possesses the following details on the top in comments.
 - Assignment No = 03
 - Section = I
 - Std.Id = 19k-XXXX
 - Name = ASDF JKL

Question_no_1:

Write a C program to find out the maximum difference between any two elements such that larger element appears after the smaller number (using 1D array).

Question_no_2:

Write a function that takes 2 arguments an array(linear) and a variable to determine how to sort array ascending or descending. After sorting print that array in main() function.

Question_no_3:

Write a C program to update every array element by multiplication of next and previous values of a given array of integers (using 1D array).

Question_no_4:

Write a function to multiply array A and B of order NxL and LxM (using 2D array).

Question_no_5:

Write a function that takes 2 arguments an array(linear) and number. Then find that array in an array and return that index of that number and print it
If the value not found then print Error message value doesn't exist.

Question_no_6:

Write a C program that takes a word input from a user as string and then calculate the word count in a File named as Paragraph.txt. Also find the length of the text written in that File.

Question_no_7:

You are required to write a program that saves the Employee's details such as SSN, employeeID, age, designation, salary and a structure named as Department. Department will have a Department no and Department Name.

You are required to write this program at least 10 employees and display each employee's details on the basis of department search. This search activity must be performed in a user defined function

Question_no_8:

Given as input an integer number of seconds, print as output the equivalent time in hours, minutes and seconds. Recommended output format is something like

"7322 seconds is equivalent to 0 days, 2 hours 2 minutes 2 seconds"