

Instructions:

- You can have maximum of 2 student in the group on 18/1/2020 , sign in to this sheet https://docs.google.com/spreadsheets/d/1_1dTdrdcAWIGWIMShZkCli5gDt4xirLrQ9PJ5qZuhg/edit?usp=sharing
- The project will be corrected F2F or in Zoom per each individual
- You will be asked to explain the design, change design and testing.
- Grade will be Per Individual and not a group :

	Grade	Student Grade
Full Functional Code	5	
Code style /Organization	5	
Able to change the code	5	
Test all result /output	5	
Related Question a bout Assembly	5	
	25	

Course Project Discription

Write an 8086 Assembly code that will ask the user to enter 6 numbers (between 0 and 9) and then perform some arithmetic operations on them. The program will work as follows

Please enter number 1 : 6

Please enter number 2: 17

The number you entered is not in the range from 0 to 9

Please enter number 2: 4

Please enter number 3: 1

Please enter number 4: 8

Please enter number 5: 2

Please enter number 6: 9

Thank you for entering all numbers,

Please select the operation you need (v, x, n, d, a, e, s, l, q, r or ? for help): ?

v for average

x for max

n for min

e for standard deviation

a to show numbers in ascending order

d to show numbers in descending order

s summation of all numbers

l for all of the above

q to quit

r to enter 6 new numbers

? for help

Please select the operation you need (v, x, n, d, a, e, s, l, r or ? for help): x

The max number is 9

Please select the operation you need (v, x, n, d, a, e, s, l, r or ? for help): s

The sum of all numbers is 30

Please select the operation you need (v, x, n, d, a, e, s, l, r or ? for help): l

The average is 5

The max number is 9

The min number is 1

The standard deviation is 2

Numbers in ascending order 1,2, 4, 6, 8, 9

Numbers in descending order 9, 8, 6, 4, 2, 1

The sum of all numbers is 30

Please select the operation you need (v, x, n, d, a, e, s, l, r or ? for help): j

Unrecognized character

Please select the operation you need (v, x, n, d, a, e, s, l, r or ? for help): q