

LAB2-EX1

```
"C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex1.exe"

===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:1
Student      1:
Enter student name:vuthy
Enter student age:12
Enter student sex:m
Enter student ID:12
Enter student's quiz score:20
Enter student's midterm score:20
Enter student's final score:20
Student      2:
Enter student name:vuthea
Enter student age:15
Enter student sex:m
Enter student ID:123
Enter student's quiz score:20
Enter student's midterm score:20
Enter student's final score:20
===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:2
Input :1

      Student name :
      Student age :13631694
      Student ID :
      Student sex :
      Student quiz :0
```


85°F
Mostly sunny

11:53 AM
10/17/2022

```
"C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex1.exe"
Student midterm :1671676553
Student final :32765
Input :2
Student name :vuthy
Student age :12
Student ID :12
Student sex :m
Student quiz :20
Student midterm :20
Student final :20
===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:3
Highest Scored Student is :
===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:4
What is students ID ?12
STUDENT NOT FOUND !!!students who own this ID name :vuthy
===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:5
Minimum score is :104
Maximum score is :619
```

```
Select "C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex1.exe"
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:4
What is students ID ?12
STUDENT NOT FOUND !!!students who own this ID name :vuthy          ===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:5
Minimum score is :104
Maximum score is :619
Average scored in this class is :723
Minimum score is :104
Maximum score is :619
Average scored in this class is :723
===== MENU =====
1. Add to students into list
2. Display all student information
3. Show students who gets max total score
4. Display all student information by ID (search by an ID)
5. find min , max and average score of this class
0. Quit the program !!!
=====
Enter your option:0
PROGRAM END OF PROGRESS !!!
Process returned 0 (0x0)   execution time : 121.114 s
Press any key to continue.
```

LAB2-EX2

 "C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex2.exe"


Enter integer number :19

Your number is :26

Process returned 0 (0x0) execution time : 6.035 s

Press any key to continue.

LAB2-EX3

 "C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex3.exe"

Enter a b c :1 2 3

delta =

-8

There are two different roots in complex

x1 = -1+ i1.41421


x2 = -1+ i1.41421

-3.09924e+19

Process returned 0 (0x0) execution time : 4.092 s

Press any key to continue.

LAB2-EX4

 "C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\Lab2-Leapchanvuthy-ex4.exe"

Enter array:1

Enter array:2

Enter array:3

Enter array:4

Enter array:5

Enter array:6

Enter array:7

Maximum of array is :7


Minimun of array is :0

Process returned 0 (0x0) execution time : 4.540 s

Press any key to continue.

—

LAB2-EX5

 "C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex5.exe"

Enter 7 integers :

1 2 3 4 5 6 7

Array from its own variable :

1,2,3,4,5,6,7,

Array from pointer variable :

1,2,3,4,5,6,7,

Process returned 0 (0x0) execution time : 6.321 s

Press any key to continue.

LAB2-EX6

```
"C:\Users\Leap chanvuthy\Documents\TERM III\Advanced Algorithm\lab 2 - Week 2\lab2-leapchanvuthy-ex6.exe"  
Enter size of number :10  
Summation 1 is :2.92897  
Summation 2 :2.82897  
  
Process returned 0 (0x0)    execution time : 2.094 s  
Press any key to continue.  
_
```