

Lab 10 – Assignment 8

- **Assignment Deadline: 13 April 2023, 11:59PM**
- **Submission:**1) a cpp file with student ID and name, 2) a screenshot of result and code

Problem: Sorting Name List according to Student ID

- **Problem description**

- Write a program that accepts a list of **student names** and **student IDs**. Student name and ID are separated with a space.
- Sort them in an increasing order according to student ID. Input values (including student names and ID) should be stored in **an array of structure** consisting of a cstring and an integer. In this task, the maximum number of students is 100. Declare an array of structure with appropriate size accordingly.
- We assume student names will only include at most 50 upper-case and low-case letters with no space in between, and student ID can be represented with an integer (e.g., 123456). The program does not need to check users' inputs in this program.
- Use "END" to indicate the end of input. Sample inputs and outputs are as follows.
- **Sample Input and Output 1:**

```
Enter student names and ID, and input END to finish the input:
Bob 222222
Alex 333333
MIKE 111111
END
MIKE 111111
Bob 222222
Alex 333333
```