Lab 02: Shell Programming

Course: *OPERATING SYSTEM*
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Exercise 1:

Write a shell script to ask your name, class's name and print it on the screen.

```
Enter name: Long
Enter class: SE1501
Your name is Long, and you are in class SE1501.
```

Exercise 2:

Write a shell script to sort ascending the 3 given numbers.

```
Enter 3 numbers: 12 88 9
Sort ascending: 9, 12, 88
```

Exercise 3:

Code a program named **doOpt.sh** so you can pass 2 parameters to this program. The program will calculate the result as following and show it in the screen.

```
/bin/sh doOpt.sh 8 3
Result 1: 8*3 = 24
Result 2: 8+3 = 11

/bin/sh doOpt.sh 6
You must input 2 numbers to do this operator!
```

Exercise 4:

Write a shell program to complete the following tasks:

- Create the following empty files: test.c, test.cpp, test.java, demo.c, lab.cpp
- Based on the selection of users, display the files they want to know (do this again and again until users enter a wrong word)
  - If user enter "c": list all C files?
  - If user enter "cpp": list all C++ files?
  - If user enter "java": list all JAVA files?

```
Files: test1.c, test2.cpp, test3.java, demo.c, lab.cpp are created.
What do you want to know? (file type): c
Files: test1.c, demo.c

What do you want to know? (file type): cpp
Files: test2.cpp, lab.cpp

What do you want to know? (file type): java
Files: test3.java
```

```
What do you want to know? (file type): nothing
Bye bye.
```

Submission:

You should capture the result screen (code and run all cases) of each exercise and include in your DOCX file, and upload to CMS. Your created file should be named like **<class>-<name><roll number>-Lab-01,**
e.g. ***SE1620-QuangTV-HE150023-Lab02.DOCX***