Lab: ls

- 1. The getopt() is a C library function used to parses the command-line options:
 - 1) briefly describe how to use it in your own word
 - 2) write a test code using getopt()
 - refer to man page
- 2. Modify ls1.c as follows:
 - 1) it sorts the list of files.
 - using qsort function
 - 2) Standard Is supports a <u>-r option</u> to print the list in reverse order. Add that option.
 - 3) Some versions of Is supports a <u>-q option</u> for "quick" output. This option causes Is **not to sort** the list. This option is useful when a directory contains an enormous number of files, so many that even a quick sort takes significant time.

```
# ./ls1
# ./ls1 -r
# ./ls1 -q
```

File uploading on LMS:

- (1) doc file (including screen captures of execution of codes)
- (2) source codes