COMMAND SIMULATION

- ▶ Using UNIX system calls, most commands can be emulated in a similar manner.
- > Simulating a command and all of its options is an exhaustive exercise.
- ➤ Command simulation harnesses one's programming skills.
- > Command simulation helps in development of standard routines to be customized to the application needs.
- > Generally file I/O commands are simulated.

Exp# 3a

1s command

Aim

To simulate Is command using UNIX system calls.

Algorithm

- 1. Store path of current working directory using getcwd system call.
- 2. Scan directory of the stored path using scandir system call and sort the resultant array of structure.
- 3. Display dname member for all entries if it is not a hidden file.
- 4. Stop.

Result

Thus the filenames/subdirectories are listed, similar to Is command.