

# Operating Systems Laboratory

## Master of Computer Application

First Year, Second Semester

Session: 2022-23

### Assignment - II

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Date: 04/04/2023

1. Write a shell script which, for all files in present directory displays whether it is a regular file or a directory.
2. The PATH variable is an environment variable that contains an ordered list of paths that Linux will search for executables when running a command. Write a shell script to display all the directories in the PATH variable in a simple way, i.e., one line per directory. In addition, display information about each directory, such as the permissions and the modification times.
3. Write a shell script which displays vendor\_id, model name, cpu MHz, cache size information about the processor present in your computer. Hint: most of this information can be obtained by reading the file `/proc/cpuinfo`.
4. Write a shell script to show your home directory, Operating System type, version, release number, kernel version and current path setting. Hint: use `uname` command or use content of `/proc/sys/kernel/osrelease` file.
5. Write a shell script to display a summary of the disk space usage for each directory argument (and any subdirectories), both in terms of bytes, and kilobytes or megabytes (whichever is appropriate). `[du -b]`