Operating Systems Laboratory

Master of Computer Application
First Year, Second Semester
Session: 2023-24

Assignment - II

Date: 20/03/2023

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]