

# LAB 7

Q1.

Write a command to:

- List all files (and subdirectories) in the home directory.
  - `ls -a ~/`
- List all files named chapter1 in the /work directory.
  - `find work/ -name 'chapter1.*' -type f`
- List all files beginning with memo owned by ann.
  - `find -name 'memo*.*' -type f -user ann`
- Display the content of /etc/passwd file with as many lines at a time as the last digit of your roll number.
  - `more -n 3 /etc/passwd`
- Search the current directory, look for filenames that don't begin with a capital letter.
  - `find . -name '[a-z]*.*' -type f`
- Search the system for files that were modified within the last two days.
  - `find / -mtime -2 -type f`
- Recursively grep for your-name down a directory tree.
  - `grep -r "Taha"`
- List all file names containing your roll number in the end.

- `find / -name "*CS22134.*" -type f`
- **List files in your home folder in human readable format.**
  - `ls ~ -h -l -s`
- **List the contents of directories /bin and /etc.**
  - `ls /bin /etc`
- **List C source files in the current directory, showing larger file first.**
  - `ls -S *.c`
- **Count all files in the current directory.**
  - `ls -l | grep "^-" | wc -l`
- **Use the pipe (|) operator to combine the output of the ls command with the grep command to filter and display only the files that contain the pattern "hello" in the current directory.**
  - `ls -l | grep "hello" *.*`
- **Create a file named sample.txt and write the output of the echo command, containing the text "Hello, Linux!" into this file**
  - `echo "Hello, Linux!" > sample.txt`