

# LAB# 7

**List all files (and subdirectories) in the home directory.**

```
ls -la ~
```

**List all files named chapter1 in the /work directory.**

```
find /work -type f -name "chapter1"
```

**List all files beginning with memo owned by ann.**

```
find /path/to/search/directory -type f -user ann -name 'memo*'
```

**Display the content of /etc/passwd file with as many lines at a time as the last digit of your roll number.**

```
cat /etc/passwd | less -N +G /1
```

**Search the current directory, look for filenames that don't begin with a capital letter.**

```
find . -type f -regex '\./[^A-Z].*'
```

**Search the system for files that were modified within the last two days.**

```
find /path/to/search -mtime -2
```

**Recursively grep for your-name down a directory tree.**

```
grep -r "Owais" /path/to/starting/directory
```

**List all file names containing your roll number in the end.**

```
find /path/to/search -type f -name '*cs-22085'
```

**List files in your home folder in human readable format.**

```
ls -lh ~
```

**List the contents of directories /bin and /etc.**

```
ls /bin /etc
```

**List C source files in the current directory, showing larger file first.**

```
ls -lhS *.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 | 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
```