

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 "Hasnain" /path/to/starting/directory
```

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

```
find /path/to/search -type f -name '*cs-22096'
```

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
```