LAB 07

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 "Hassan" /path/to/starting/directory
List all file names containing your roll number in the end.
find /path/to/search -type f -name '*cs-22118'
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