Text Processing and Pipelining

Task#1

Use sort and unique command to sort a file and print unique values.

```
sam@sam-VirtualBox:~/Desktop$ cat > newfile.txt
i love food
i love food
i love food
hi there how are you
hi there how are you
sam@sam-VirtualBox:~/Desktop$ cat newfile.txt
i love food
i love food
i love food
hi there how are you
hi there how are you
sam@sam-VirtualBox:~/Desktop$ uniq newfile.txt
i love food
hi there how are you
sam@sam-VirtualBox:~/Desktop$
```

```
sam@sam-VirtualBox:~/Desktop$ cat > newfile.txt
type:
Sam
Anna
Jackob
Henry
sam@sam-VirtualBox:~/Desktop$ cat newfile.txt
type:
Sam
Anna
Jackob
Henry
sam@sam-VirtualBox:~/Desktop$ sort newfile.txt
Anna
Henry
Jackob
Sam
type:
sam@sam-VirtualBox:~/Desktop$
```

Task#2

Use ls and find to list and print all lines matching a particular pattern in matching file

```
sam@sam-VirtualBox:~/Desktop$ find -name "file*" | grep hi file1.txt file2.txt
file1.txt:hi
file1.txt:hi
file2.txt:hi
file2.txt:hi
sam@sam-VirtualBox:~/Desktop$
```

Task#3

Use cat, grep, tee and wc command to read the particular entry from user and store in a file and print line count.

```
sam@sam-VirtualBox:~/Desktop$ wc file1.txt
 5  5 24 file1.txt
sam@sam-VirtualBox:~/Desktop$ cat file1.txt
hello
hello
hello
hi
hi
sam@sam-VirtualBox:~/Desktop$ touch file3.txt
sam@sam-VirtualBox:~/Desktop$ wc -l file1.txt | tee -a file3.txt
5 file1.txt
sam@sam-VirtualBox:~/Desktop$ cat file3.txt
5 file1.txt
sam@sam-VirtualBox:~/Desktop$
```

Task#4

Pipe the output from the cat (concatenate) command into the sort command to produce sorted output, and then pipe the sorted output into the unique command to eliminate duplicate record.