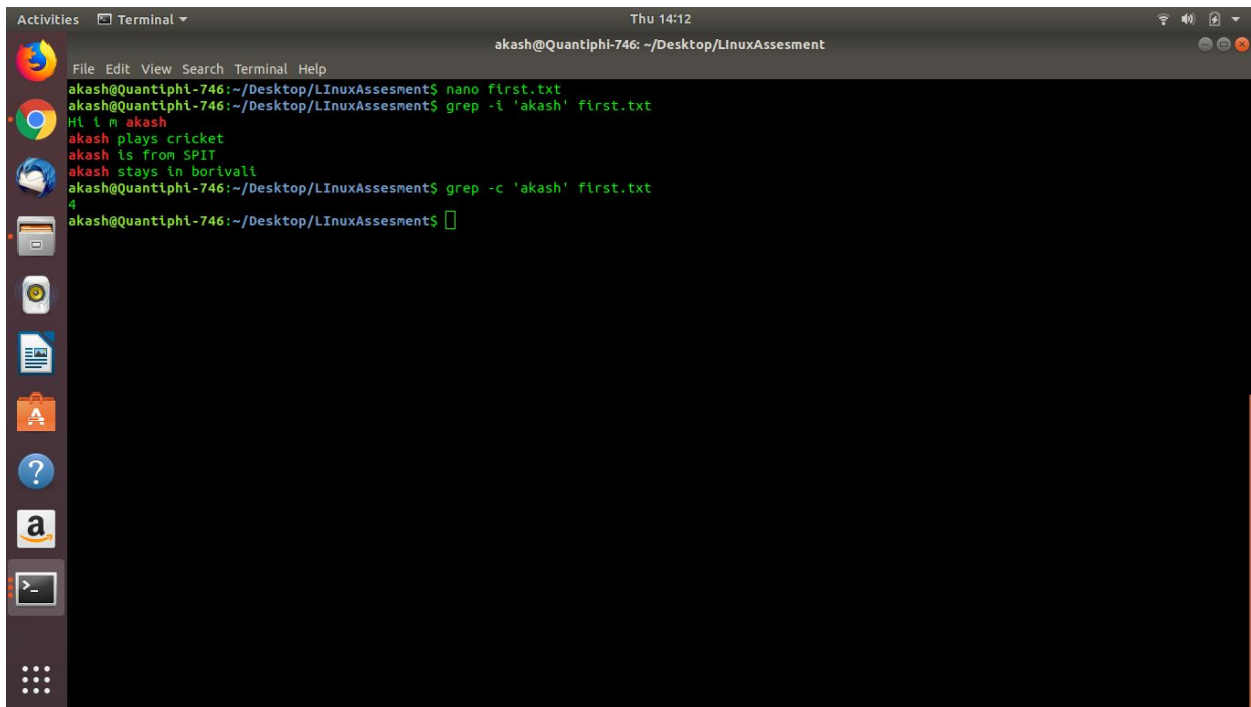


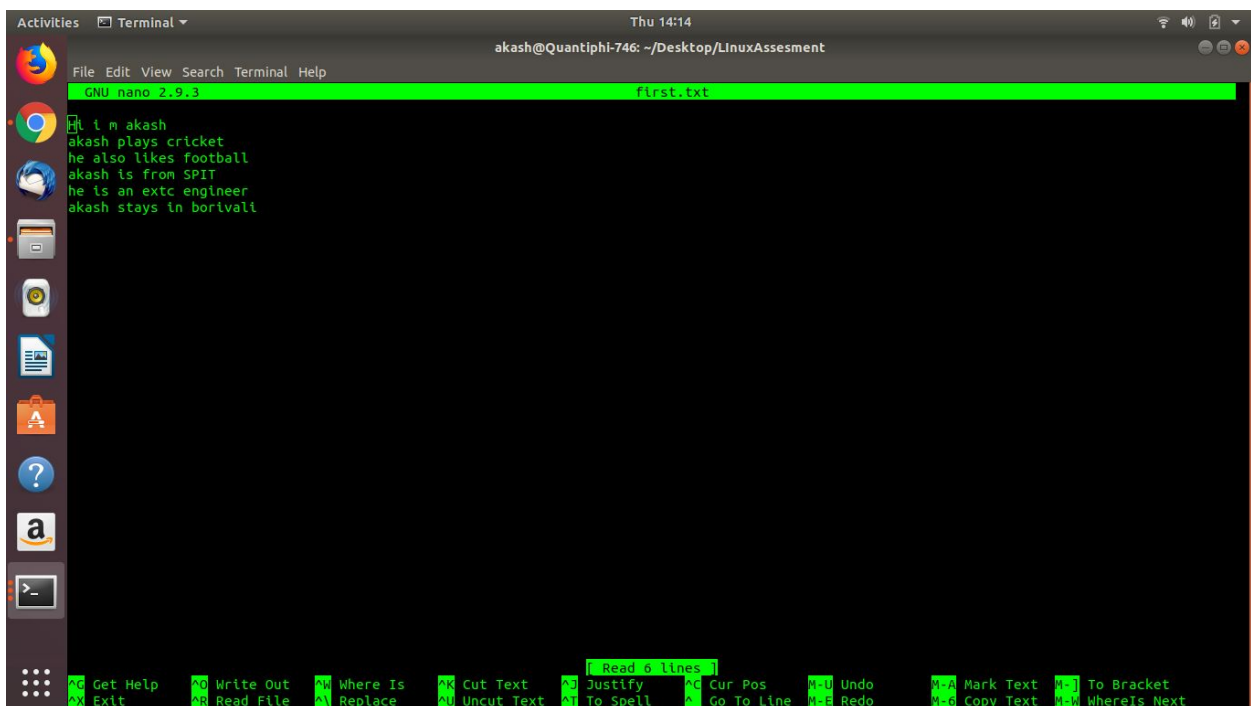
1. Consider a text file which has multi-lines text, output all the lines which has a specific word and also output the total number of occurrences of that word.



A terminal window titled 'Terminal' with a menu bar (File, Edit, View, Search, Terminal, Help) and a status bar (Thu 14:12, akash@Quantiphi-746: ~/Desktop/LinuxAssesment). The user has created a file 'first.txt' using 'nano first.txt' and then executed 'grep -i 'akash' first.txt', which outputs four lines of text. Subsequently, the user executed 'grep -c 'akash' first.txt', which outputs the number '4'.

```
File Edit View Search Terminal Help
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ nano first.txt
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ grep -i 'akash' first.txt
Hi i m akash
akash plays cricket
akash is from SPIT
akash stays in borivali
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ grep -c 'akash' first.txt
4
akash@Quantiphi-746:~/Desktop/LinuxAssesment$
```

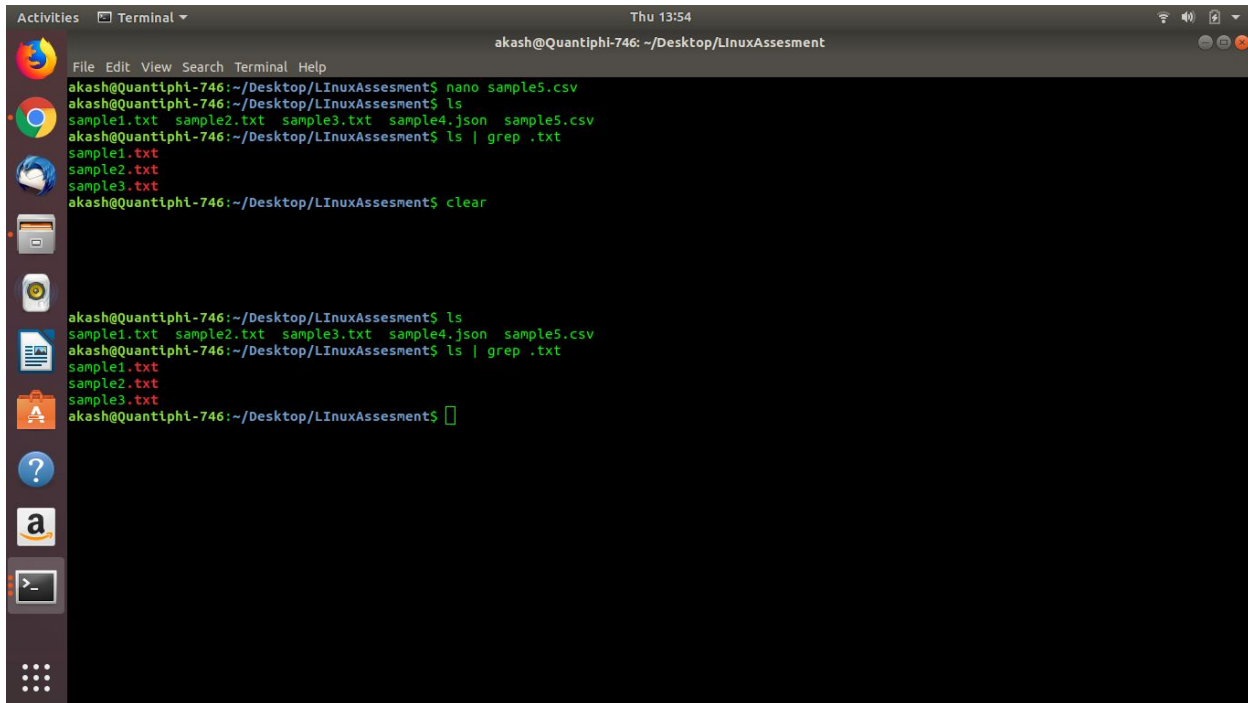
The text file:



A terminal window showing the 'nano' text editor editing 'first.txt'. The file contains six lines of text. The bottom of the screen displays a menu bar with various editing and navigation options.

```
File Edit View Search Terminal Help
GNU nano 2.9.3 first.txt
Hi i m akash
akash plays cricket
he also likes football
akash is from SPIT
he is an extc engineer
akash stays in borivali
[Read 6 lines]
Get Help Write Out Where Is Cut Text Justify Cur Pos Undo Mark Text To Bracket
Exit Read File Replace Uncut Text To Spell Go To Line Redo Copy Text WhereIs Next
```

2. ls | grep .txt

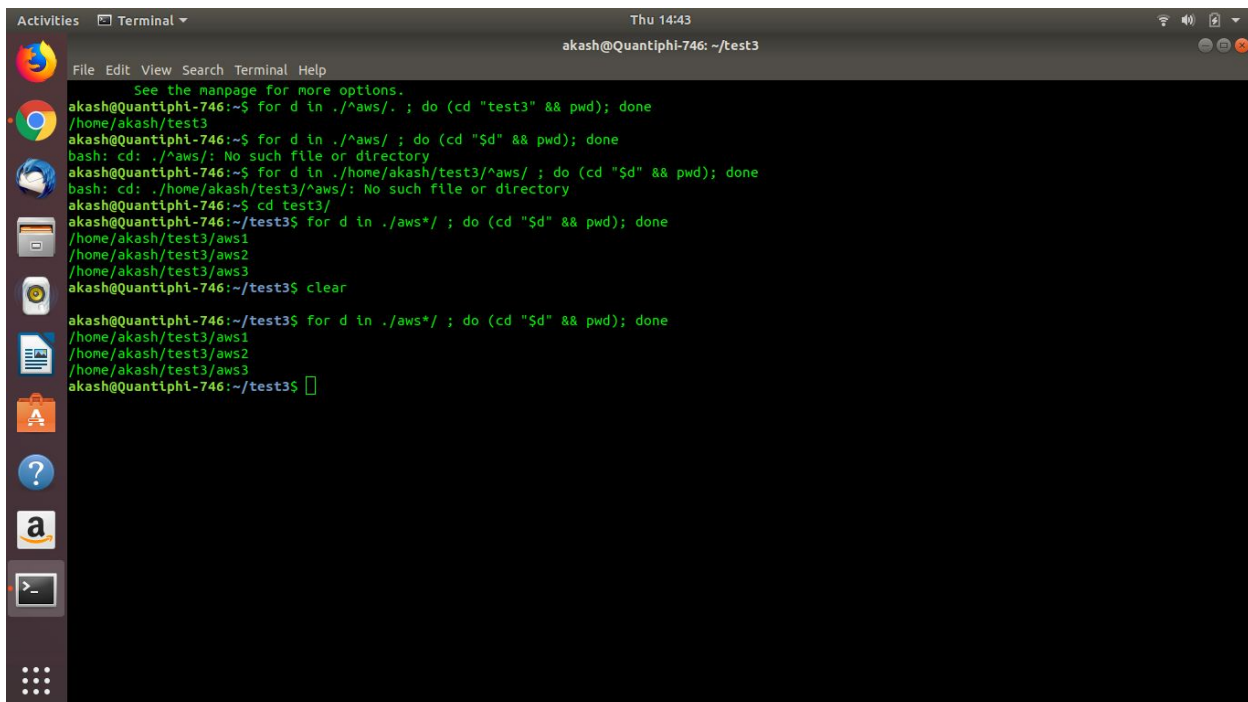


A terminal window titled 'akash@Quantiphi-746: ~/Desktop/LinuxAssesment' showing the following commands and output:

```
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ nano sample5.csv
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ ls
sample1.txt sample2.txt sample3.txt sample4.json sample5.csv
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ ls | grep .txt
sample1.txt
sample2.txt
sample3.txt
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ clear

akash@Quantiphi-746:~/Desktop/LinuxAssesment$ ls
sample1.txt sample2.txt sample3.txt sample4.json sample5.csv
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ ls | grep .txt
sample1.txt
sample2.txt
sample3.txt
akash@Quantiphi-746:~/Desktop/LinuxAssesment$
```

3. Execute a specific command in all the subdirectories whose names starts with “aws”. For example, your sub-directories are “aws_1”, “aws_2”, “gcp_1”, “aws_3”. Execute “pwd” command in the directories “aws_1”, “aws_2” and “aws_3”.

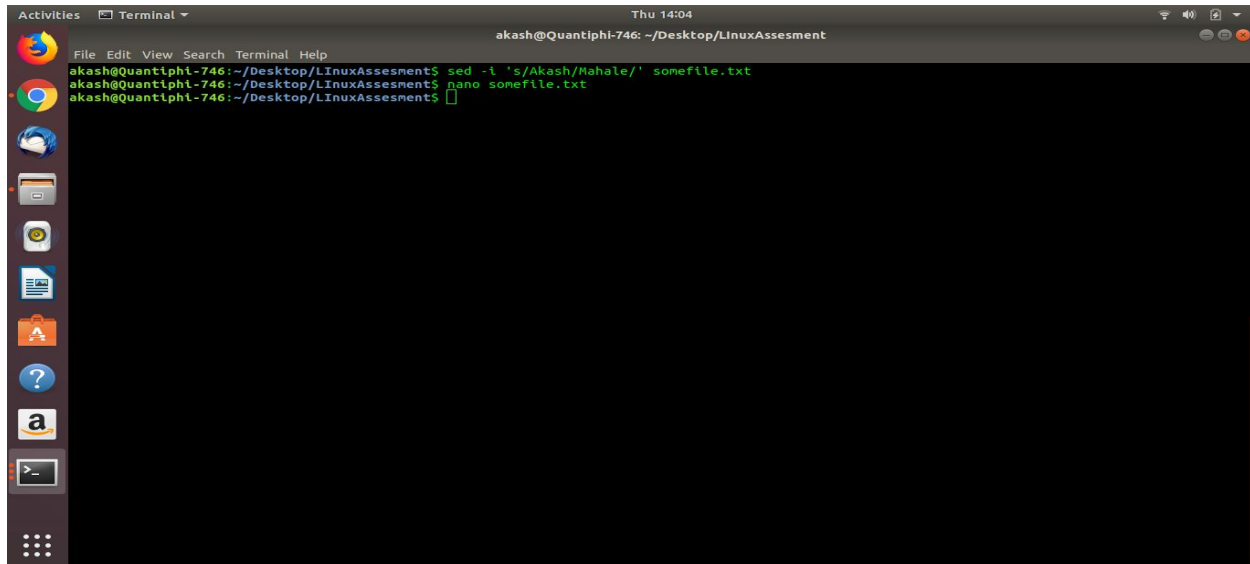


A terminal window titled 'akash@Quantiphi-746: ~/test3' showing the following commands and output:

```
See the manpage for more options.
akash@Quantiphi-746:~$ for d in ./^aws/ ; do (cd "test3" && pwd); done
/home/akash/test3
akash@Quantiphi-746:~$ for d in ./^aws/ ; do (cd "$d" && pwd); done
bash: cd: ./^aws/: No such file or directory
akash@Quantiphi-746:~$ for d in ./home/akash/test3/^aws/ ; do (cd "$d" && pwd); done
bash: cd: ./home/akash/test3/^aws/: No such file or directory
akash@Quantiphi-746:~$ cd test3/
akash@Quantiphi-746:~/test3$ for d in ./aws*/ ; do (cd "$d" && pwd); done
/home/akash/test3/aws1
/home/akash/test3/aws2
/home/akash/test3/aws3
akash@Quantiphi-746:~/test3$ clear

akash@Quantiphi-746:~/test3$ for d in ./aws*/ ; do (cd "$d" && pwd); done
/home/akash/test3/aws1
/home/akash/test3/aws2
/home/akash/test3/aws3
akash@Quantiphi-746:~/test3$
```

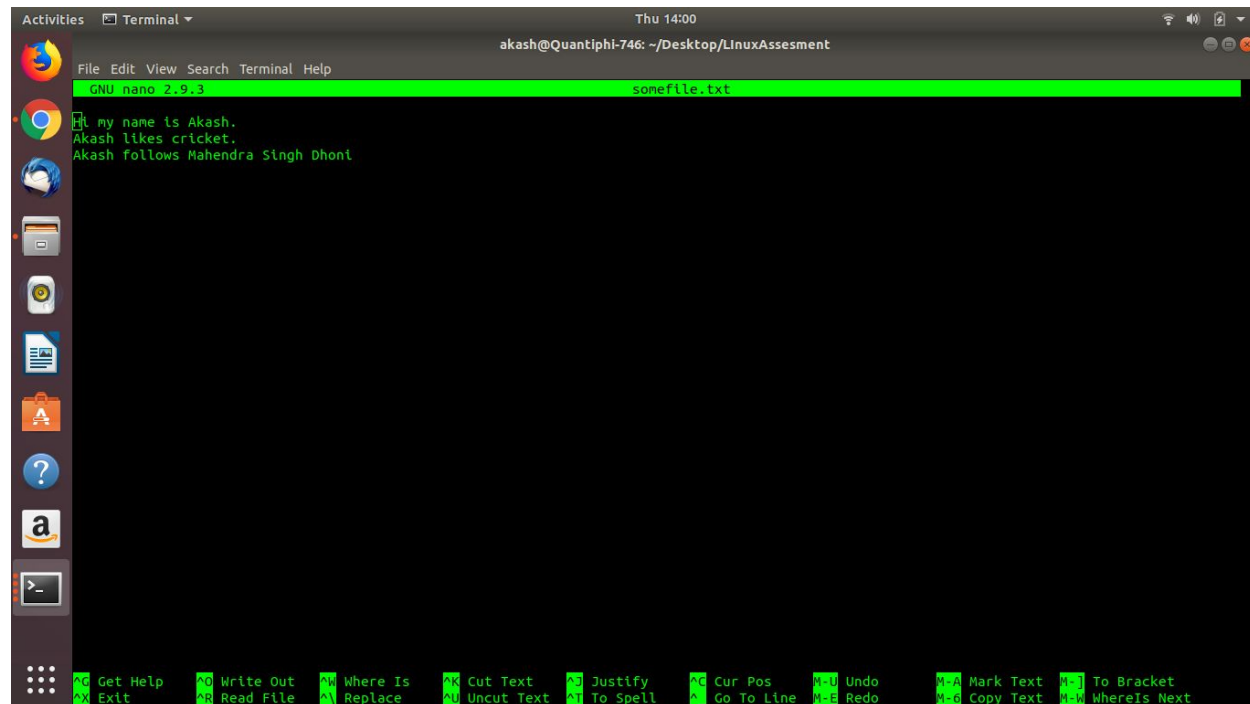
4. Consider a text file and replace a specific word with any word of your choice.



A terminal window titled "akash@Quantiphi-746: ~/Desktop/LinuxAssesment" showing the following commands and output:

```
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ sed -i 's/Akash/Mahale/' somefile.txt
akash@Quantiphi-746:~/Desktop/LinuxAssesment$ nano somefile.txt
akash@Quantiphi-746:~/Desktop/LinuxAssesment$
```

Original File



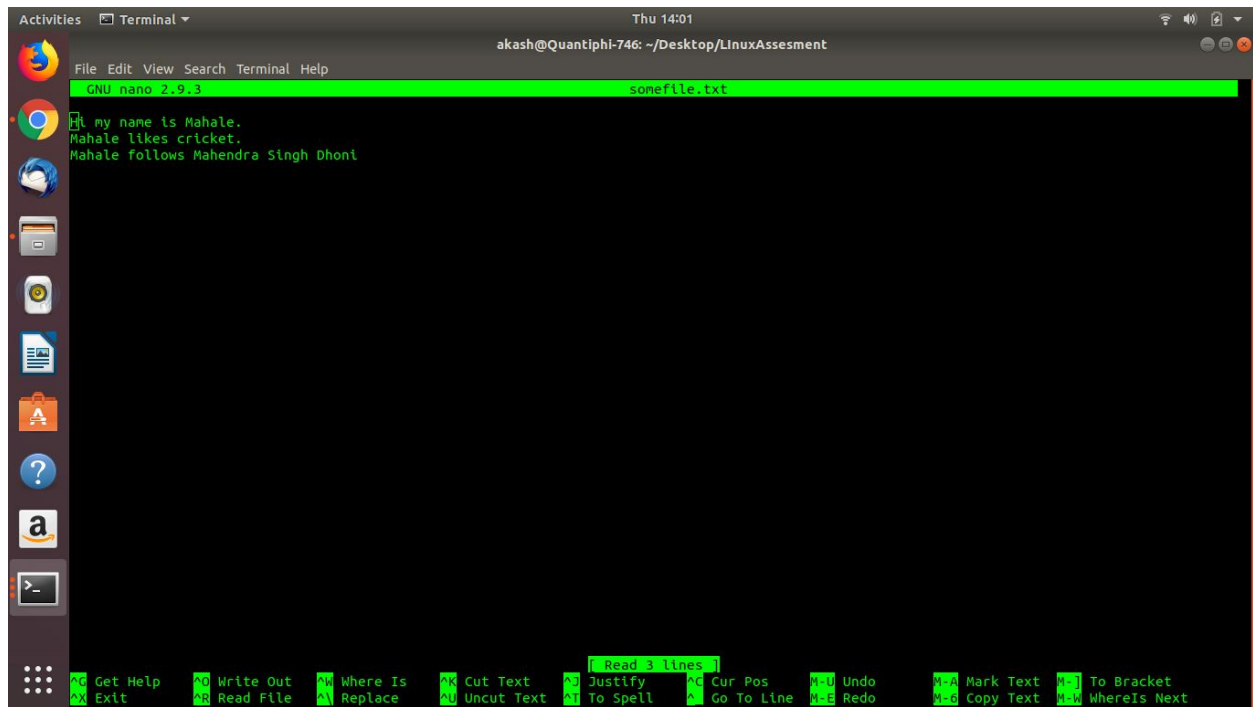
A terminal window titled "akash@Quantiphi-746: ~/Desktop/LinuxAssesment" showing the nano editor interface. The title bar indicates "GNU nano 2.9.3" and "somefile.txt". The editor contains the following text:

```
my name is Akash.
Akash likes cricket.
Akash follows Mahendra Singh Dhoni
```

The bottom status bar shows various keyboard shortcuts for nano editor operations:

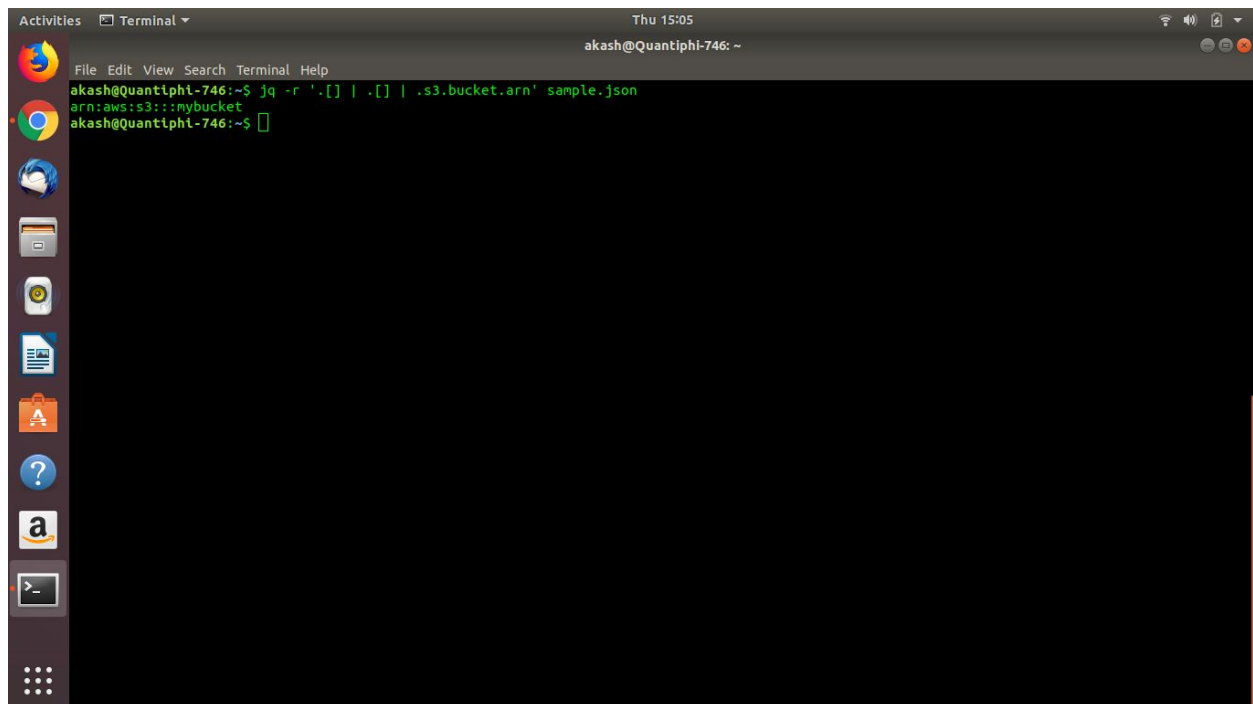
Get Help	Write Out	Where Is	Cut Text	Justify	Cur Pos	Undo	Mark Text	To Bracket
Exit	Read File	Replace	Uncut Text	To Spell	Go To Line	Redo	Copy Text	WhereIs Next

Modified file:



```
akash@Quantiphi-746: ~/Desktop/LinuxAssesment
GNU nano 2.9.3 somefile.txt
My name is Mahale.
Mahale likes cricket.
Mahale follows Mahendra Singh Dhoni
```

5. Use jq command line tool to get the arn of the s3 bucket from the file “s3_info.txt” which has the below content



```
akash@Quantiphi-746: ~
akash@Quantiphi-746:~$ jq -r '.[] | .s3.bucket.arn' sample.json
arn:aws:s3:::mybucket
akash@Quantiphi-746:~$
```

