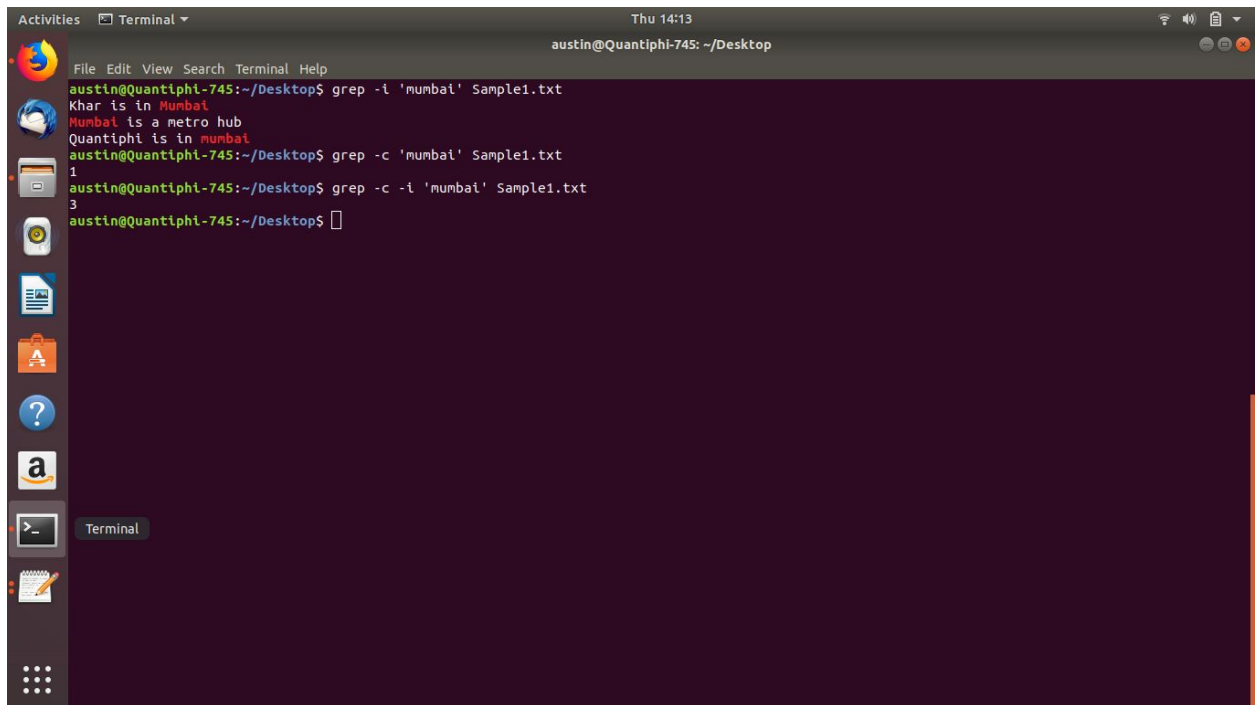
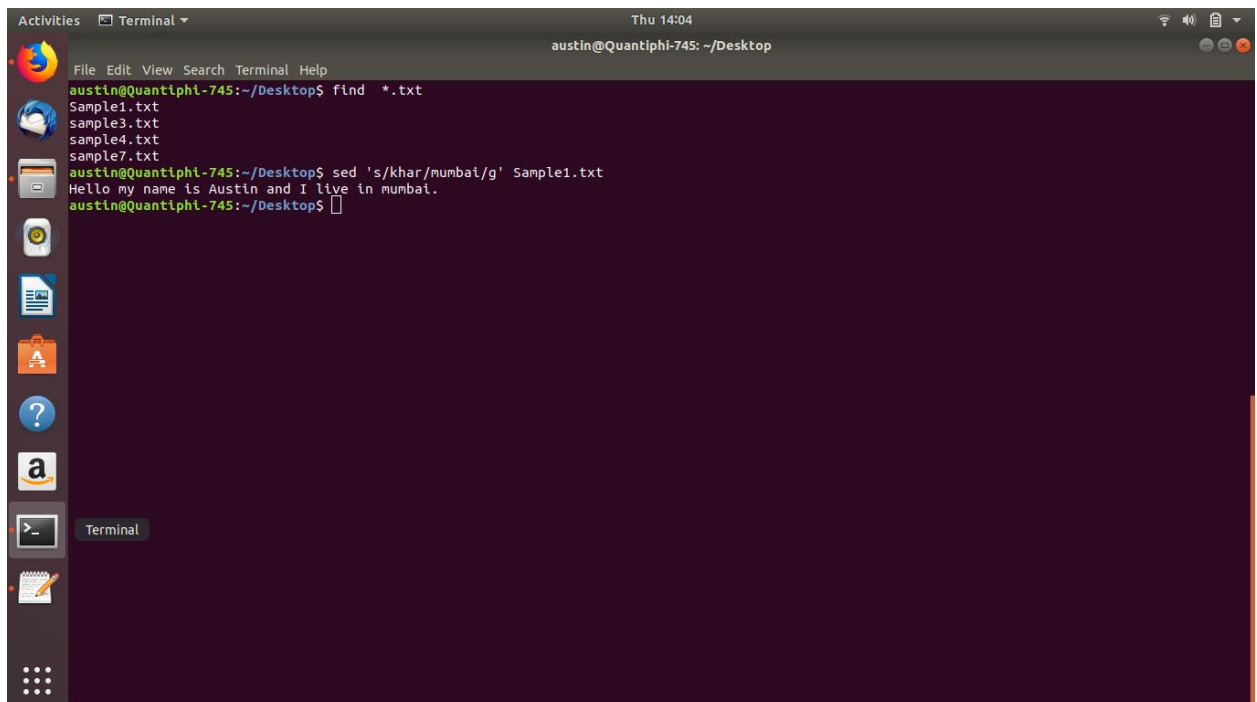


1. Consider a text file which has multi-lines text, output all the lines which has a specific word and also output the total number of occurrences of that word.



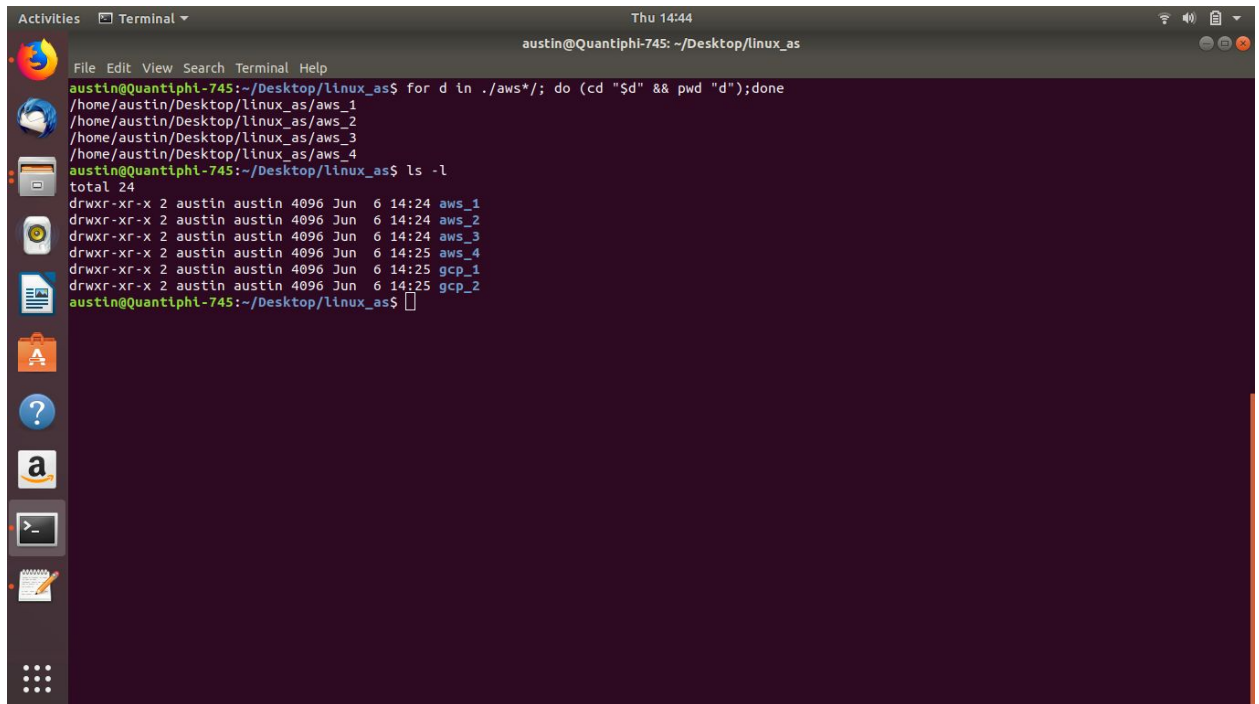
```
File Edit View Search Terminal Help
austin@Quantiphi-745: ~/Desktop
austin@Quantiphi-745:~/Desktop$ grep -i 'mumbai' Sample1.txt
Khar is in Mumbai
Mumbai is a metro hub
Quantiphi is in mumbai
austin@Quantiphi-745:~/Desktop$ grep -c 'mumbai' Sample1.txt
1
austin@Quantiphi-745:~/Desktop$ grep -c -i 'mumbai' Sample1.txt
3
austin@Quantiphi-745:~/Desktop$
```

2. Search for all the files that have a '.txt' extension in the current working directory.



```
File Edit View Search Terminal Help
austin@Quantiphi-745: ~/Desktop
austin@Quantiphi-745:~/Desktop$ find *.txt
Sample1.txt
sample3.txt
sample4.txt
sample7.txt
austin@Quantiphi-745:~/Desktop$ sed 's/khar/mumbai/g' Sample1.txt
Hello my name is Austin and I live in munbai.
austin@Quantiphi-745:~/Desktop$
```

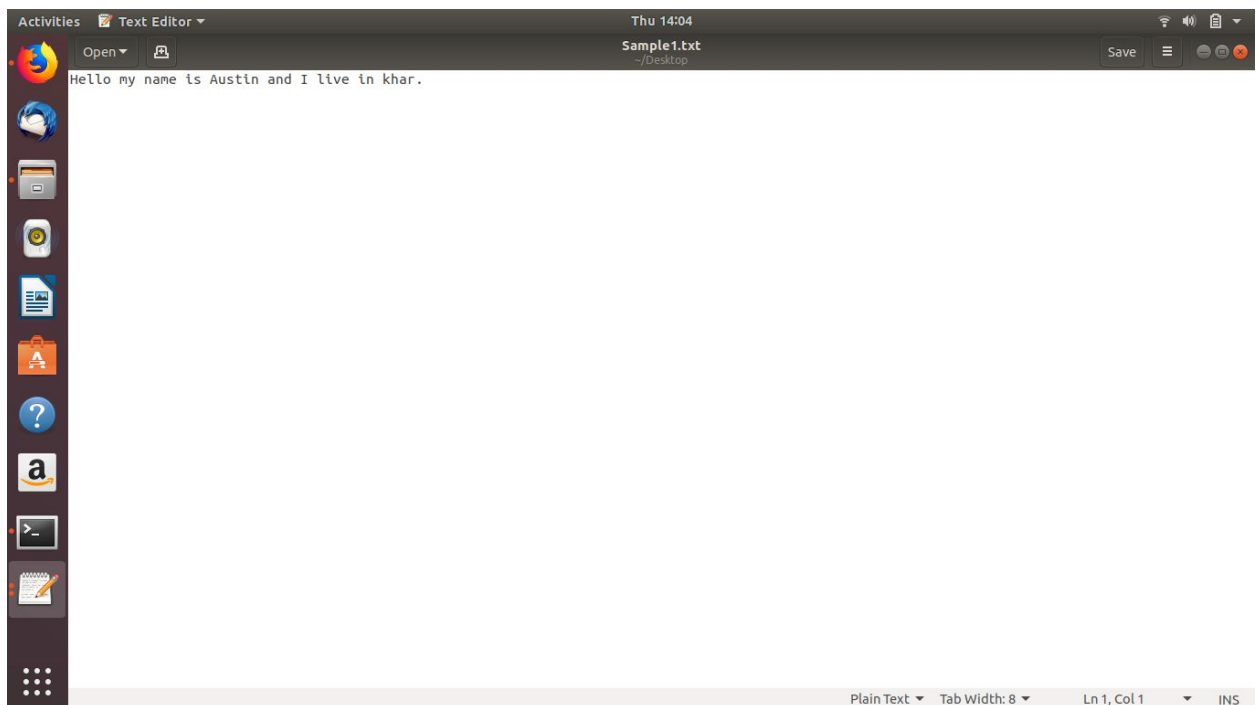
3. Execute a specific command in all the subdirectories whose names starts with “aws”. For example, your sub-directories are “aws_1”, “aws_2”, “gcp_1”, “aws_3”., Execute “pwd” command in the directories “aws_1”, “aws_2” and “aws_3”.



A terminal window titled 'austin@Quantiphi-745: ~/Desktop/linux_as' showing the execution of a command to create files in subdirectories and a subsequent listing of those files.

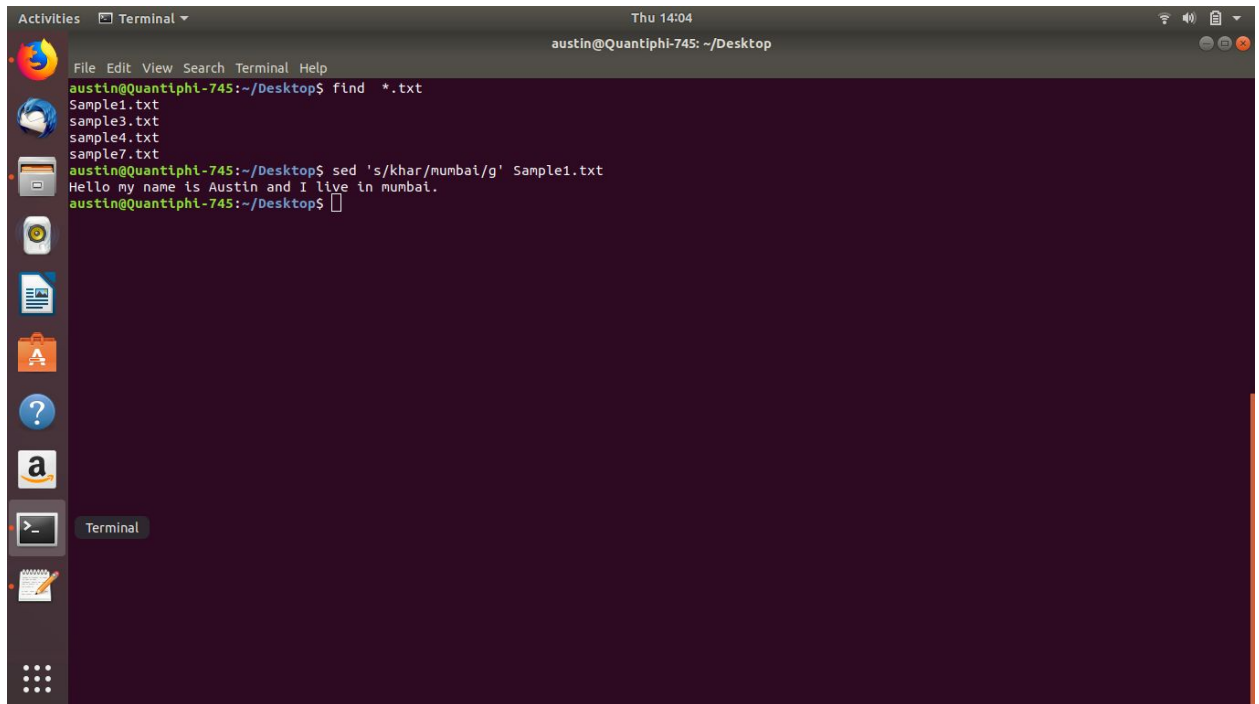
```
austin@Quantiphi-745:~/Desktop/linux_as$ for d in ./aws*/; do (cd "$d" && pwd "d");done
/home/austin/Desktop/linux_as/aws_1
/home/austin/Desktop/linux_as/aws_2
/home/austin/Desktop/linux_as/aws_3
/home/austin/Desktop/linux_as/aws_4
austin@Quantiphi-745:~/Desktop/linux_as$ ls -l
total 24
drwxr-xr-x 2 austin austin 4096 Jun  6 14:24 aws_1
drwxr-xr-x 2 austin austin 4096 Jun  6 14:24 aws_2
drwxr-xr-x 2 austin austin 4096 Jun  6 14:24 aws_3
drwxr-xr-x 2 austin austin 4096 Jun  6 14:25 aws_4
drwxr-xr-x 2 austin austin 4096 Jun  6 14:25 gcp_1
drwxr-xr-x 2 austin austin 4096 Jun  6 14:25 gcp_2
austin@Quantiphi-745:~/Desktop/linux_as$
```

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



A text editor window titled 'Sample1.txt' showing a single line of text: 'Hello my name is Austin and I live in khar.' The status bar at the bottom indicates 'Plain Text', 'Tab Width: 8', 'Ln 1, Col 1', and 'INS'.

```
Sample1.txt
~/Desktop
Hello my name is Austin and I live in khar.
```



The screenshot shows a Linux terminal window with a dark purple background. The title bar at the top indicates the window is titled 'Terminal' and shows the time as 'Thu 14:04'. The user is 'austin@Quantiphi-745' and the current directory is '~/Desktop'. The terminal shows the following commands and output:

```
austin@Quantiphi-745:~/Desktop$ find *.txt
Sample1.txt
Sample3.txt
Sample4.txt
Sample7.txt
austin@Quantiphi-745:~/Desktop$ sed 's/khar/mumbai/g' Sample1.txt
Hello my name is Austin and I live in munbai.
austin@Quantiphi-745:~/Desktop$
```

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

```
{
  "Records": [
    {
      "eventVersion": "2.0",
      "eventTime": "1970-01-01T00:00:00.000Z",
      "requestParameters": {
        "sourceIPAddress": "127.0.0.1"
      },
      "s3": {
        "configurationId": "testConfigRule",
        "object": {
          "eTag": "0123456789abcdef0123456789abcdef",
          "sequencer": "0A1B2C3D4E5F678901",
          "key": "HappyFace.jpg",
          "size": 1024
        },
        "bucket": {
          "arn": "arn:aws:s3:::mybucket",
          "name": "sourcebucket",
          "ownerIdentity": {
            "principalId": "EXAMPLE"
          }
        }
      }
    }
  ]
}
```

```

    }
  },
  "s3SchemaVersion": "1.0"
},
"responseElements": {
  "x-amz-id-2":
"EXAMPLE123/5678abcdefghijklmbdaisawesome/mnopqrstuvwxyzABCDEFGH
",
  "x-amz-request-id": "EXAMPLE123456789"
},
"awsRegion": "us-east-1",
"eventName": "ObjectCreated:Put",
"userIdentity": {
  "principalId": "EXAMPLE"
},
"eventSource": "aws:s3"
}
]
}

```

The screenshot shows a terminal window titled 'Terminal' with the following content:

```

austin@Quantiphi-745: ~/Desktop
austin@Quantiphi-745:~/Desktop$ ls
GitAssessment  linux_as  Sample1.json  Sample1.txt  sample3.txt  sample4.txt  sample5.json  sample6.json  sample7.txt  User1  User2
austin@Quantiphi-745:~/Desktop$ jq -r '.[0] | .[] | .s3.bucket.arn' Sample1.json
arn:aws:s3:::mybucket
austin@Quantiphi-745:~/Desktop$

```

The terminal window includes a menu bar (File, Edit, View, Search, Terminal, Help) and a sidebar with application icons. The system clock shows 'Thu 15:07'.