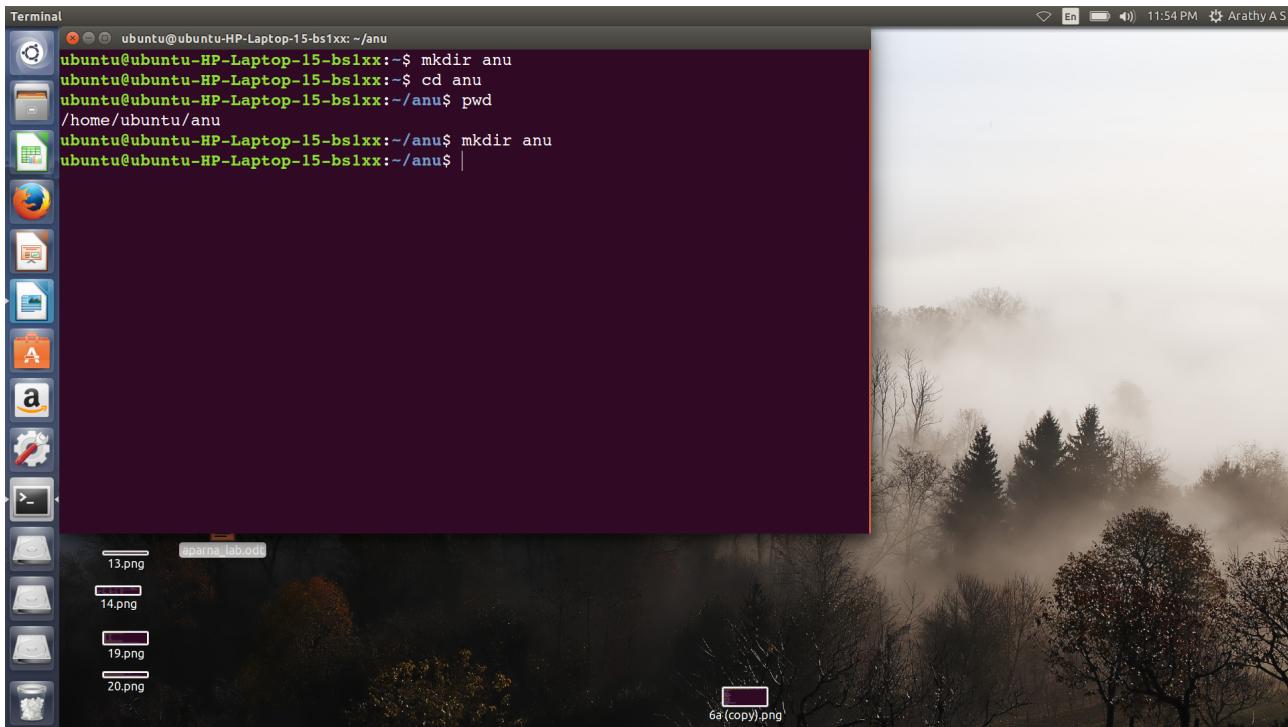


# PRACTICE QUESTIONS-CYCLE 1

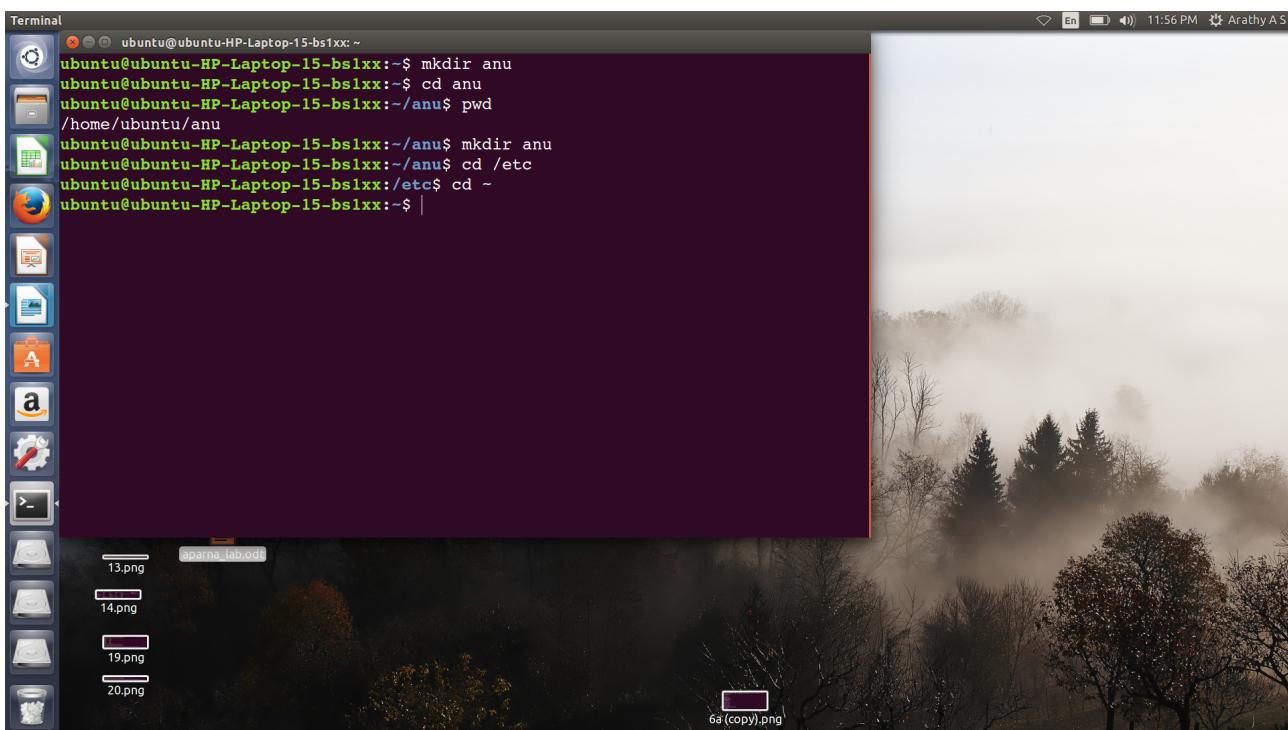
## DATE-21/02/2019

APARNA E GOPALAN  
NO : 65  
S4\_CSE  
21/02/2019

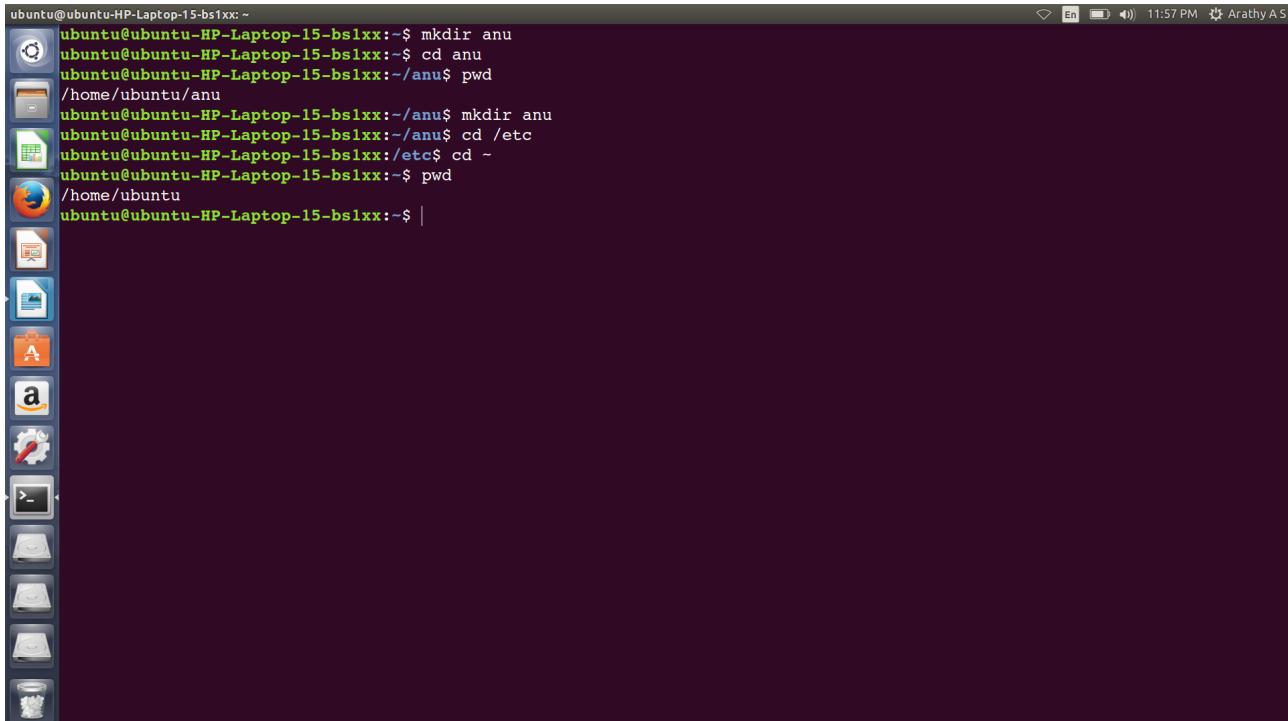
## 1. Display your current directory.



## 2. Change to the /etc directory.

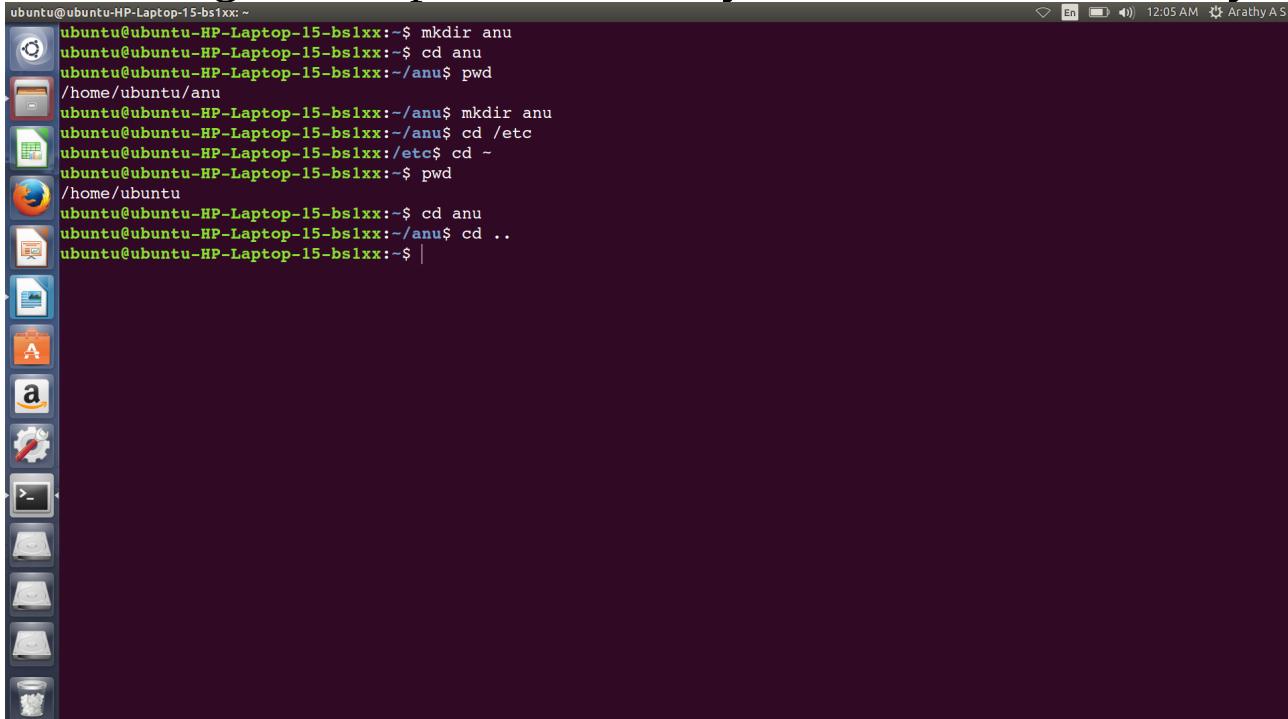


3. Now, change to your home directory using a single command.



```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ mkdir anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ pwd
/home/ubuntu/anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ mkdir anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd /etc
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/etc$ cd ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ pwd
/home/ubuntu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

4. Change to the parent directory of the current directory.



```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ mkdir anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ pwd
/home/ubuntu/anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ mkdir anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd /etc
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/etc$ cd ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ pwd
/home/ubuntu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd ..
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

5. Go to the root directory.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: /  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ mkdir anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ pwd  
/home/ubuntu/anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ mkdir anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd /etc  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/etc$ cd ~  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ pwd  
/home/ubuntu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd ..  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd /  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ pwd  
/  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ |
```

## 6. Give a long listing of the root directory

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: /  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cd anu  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd ..  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~/anu$ cd /  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ pwd  
/  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ ls -la  
total 108  
drwxr-xr-x 24 root root 4096 Feb 12 2018 .  
drwxr-xr-x 24 root root 4096 Feb 12 2018 ..  
drwxr-xr-x 2 root root 4096 Feb 12 2018 bin  
drwxr-xr-x 4 root root 4096 Feb 12 2018 boot  
drwxrwxr-x 2 root root 4096 Feb 12 2018 cdrom  
drwxr-xr-x 20 root root 4660 Feb 21 22:29 dev  
drwxr-xr-x 130 root root 12288 Feb 12 18:23 etc  
drwxr-xr-x 3 root root 4096 Feb 12 2018 home  
lrwxrwxrwx 1 root root 32 Feb 12 2018 initrd.img -> boot/initrd.img-4.8.0-36-generic  
drwxr-xr-x 22 root root 4096 Feb 12 2018 lib  
drwxr-xr-x 2 root root 4096 Feb 16 2017 lib64  
drwxr-xr-x 2 root root 16384 Feb 12 2018 lost+found  
drwxr-xr-x 4 root root 4096 Nov 25 00:00 media  
drwxr-xr-x 2 root root 4096 Feb 16 2017 mnt  
drwxr-xr-x 2 root root 4096 Feb 16 2017 opt  
dr-xr-xr-x 264 root root 0 Feb 21 22:28 proc  
drwxr-xr-x 4 root root 4096 Nov 24 23:42 root  
drwxr-xr-x 26 root root 800 Feb 21 22:57 run  
drwxr-xr-x 2 root root 12288 Feb 12 2018 sbin  
drwxr-xr-x 2 root root 4096 Jan 14 2017 snap  
drwxr-xr-x 2 root root 4096 Feb 16 2017 srv  
dr-xr-xr-x 13 root root 0 Feb 21 22:28 sys  
drwxrwxrwt 10 root root 4096 Feb 22 00:07 tmp  
drwxr-xr-x 11 root root 4096 Feb 16 2017 usr  
drwxr-xr-x 14 root root 4096 Feb 16 2017 var  
lrwxrwxrwx 1 root root 29 Feb 12 2018 vmlinuz -> boot/vmlinuz-4.8.0-36-generic  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ |
```

## 7. Give a listing of the last 10 files in the root directory.

```

ubuntu@ubuntu-HP-Laptop-15-bs1xx: / 
drwxrwxr-x  2 root root 4096 Feb 12 2018 cdrom
drwxr-xr-x  20 root root 4660 Feb 21 22:29 dev
drwxr-xr-x 130 root root 12288 Feb 12 18:23 etc
drwxr-xr-x  3 root root 4096 Feb 12 2018 home
lrwxrwxrwx  1 root root   32 Feb 12 2018 initrd.img -> boot/initrd.img-4.8.0-36-generic
drwxr-xr-x  22 root root 4096 Feb 12 2018 lib
drwxr-xr-x  2 root root 4096 Feb 16 2017 lib64
drwx----- 2 root root 16384 Feb 12 2018 lost+found
drwxr-xr-x  4 root root 4096 Nov 25 00:00 media
drwxr-xr-x  2 root root 4096 Feb 16 2017 mnt
drwxr-xr-x  2 root root 4096 Feb 16 2017 opt
dr-xr-xr-x 264 root root    0 Feb 21 22:28 proc
drwx----- 4 root root 4096 Nov 24 23:42 root
drwxr-xr-x  26 root root 800 Feb 21 22:57 run
drwxr-xr-x  2 root root 12288 Feb 12 2018 sbin
drwxr-xr-x  2 root root 4096 Jan 14 2017 snap
drwxr-xr-x  2 root root 4096 Feb 16 2017 srv
dr-xr-xr-x 13 root root    0 Feb 21 22:28 sys
drwxrwxrwt 10 root root 4096 Feb 22 00:07 tmp
drwxr-xr-x 11 root root 4096 Feb 16 2017 usr
drwxr-xr-x 14 root root 4096 Feb 16 2017 var
lrwxrwxrwx  1 root root  29 Feb 12 2018 vmlinuz -> boot/vmlinuz-4.8.0-36-generic
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ ls | tail
>_
root
run
sbin
snap
srv
sys
tmp
user
var
vmlinuz
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ |

```

## 8. Stay where you are, and list the contents of /etc.

```

ubuntu@ubuntu-HP-Laptop-15-bs1xx: / 
ubuntu@ubuntu-HP-Laptop-15-bs1xx:/$ ls /etc
acpi           dictionaries-common  issue          opt             shadow
adduser.conf   dnsmasq.d          issue.net      os-release     shadow-
alternatives   doc-base          kbd            pam.conf       shells
anacrontab     dpkg              kernel         pam.d          signond.conf
apg.conf       drirc             kernel-img.conf  papersize     signon-ui
apm            emacs             kerneloops.conf passwd        skel
apparmor       environment       ldap            passwd-      speech-dispatcher
apparmor.d     firefox           ld.so.cache    pcmcia       ssh
apport          fonts             ld.so.conf     perl          ssl
appstream.conf fstab             fuse.conf     legal         subgid
apt            fwupd.conf        gai.conf       libao.conf    subgid-
aptdaemon      gconf             libaudit.conf  libaudit     subuid
at-spi2        gdb               libnl-3        libpaper.d  subuid-
avahi          ghostscript       gnome          libreoffice profile      sudoers
bash.bashrc    group            gnome          lightdm      profile.d
bash_completion  group-          group          libreoffice profile.d
bash_completion.d  grub.d          gnome-app-install lintianrc  protocols
bindresport.blacklist  grub.d          group          libpaper.d  popularity-contest.conf
binfmt.d       groff            grub.d         libpaper.d  ppp
bluetooth      group            grub.d         libreoffice profile
brlapi.key     group-          grub.d         lightdm      profile.d
brltty         grub.d          grub.d         libpaper.d  protocols
brltty.conf    gshadow          grub.d         libpaper.d  protocols
ca-certificates  gshadow-        grub.d         lightdm      protocols
ca-certificates.conf  gss             grub.d         libpaper.d  protocols
calendar       gtk-2.0          grub.d         libpaper.d  protocols
chatscripts    gtk-3.0          grub.d         lightdm      protocols
compizconfig   guest-session    grub.d         libpaper.d  protocols
console-setup  hdparm.conf      grub.d         lightdm      protocols
cracklib      host.conf        grub.d         libpaper.d  protocols
cron.d         hostname         grub.d         lightdm      protocols
cron.daily     hosts            grub.d         libpaper.d  protocols
cron.hourly    hosts.allow      grub.d         lightdm      protocols
                                         manpath.config  resolvconf

```

## 9. Create a directory testdir in your home directory.

```

ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
[ca-certificates ca-certificates.conf calendar chatscripts compizconfig console-setup cracklib cron.d cron.daily cron.hourly cron.monthly crontab cups cupshelpers dbus-1 dconf debconf.conf debian_version default deluser.conf depmod.d dhcpc gshadow-gss gtk-2.0 gtk-3.0 guest-session hdparm.conf host.conf hostname hosts hosts.allow hosts.deny hp ifplug iftab ImageMagick-6 init init.d initramfs-tools inputrc inserv inserv.conf inserv.conf.d iproute2 logrotate.conf logrotate.d lsb-release ltrace.conf machine-id magic mailcap mailcap.order manpath.config mime.types mke2fs.conf modules-load.d modules rsyslog.conf modules-load.d sane.d mtab mtools.conf nanorc network NetworkManager NetworkManager sensors3.conf networks newt nsswitch.conf rc0.d rc1.d rc2.d rc3.d rc4.d rc5.d rc6.d rc.local rcS.d resolvconf resolv.conf rmt rpc rsyslog.d sane.d security selinux sensors.d services sgml ucf.conf udev udisks2 ufw updatedb.conf update-manager update-motd.d update-notifier UPower upstart-xsessions usb_modeswitch.conf usb_modeswitch.d vim vtrgb wgetrc whoopsie wpa_supplicant x11 xdg xml zsh_command_not_found
>_
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $ cd ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $ mkdir anu
mkdir: cannot create directory 'anu': File exists
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $ mkdir allu
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $ ls
allu Capstory.txt Documents graph1.c Music Public string.c testing
amu CountFile.txt Downloads graph1.c.save new set s.txt test.txt
a.out Countries.txt examples.desktop graph.c newdir show symlink tet.txt
appu Desktop FileList.txt ls.doc one SortCountry.txt Templates Togglestory.txt
bst.c dir1 foss mult_stack.c Pictures Story.txt testdir Videos
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $

```

10. Change to the /etc directory, stay there and create a directory newdir in your home directory(using a single command).

```

ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx: /etc$ cd /etc
ubuntu@ubuntu-HP-Laptop-15-bs1xx: /etc$ mkdir ~/anju
ubuntu@ubuntu-HP-Laptop-15-bs1xx: /etc$ cd ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx: $ ls
allu bst.c dir1 foss mult_stack.c Pictures Story.txt testdir Videos
amu Capstory.txt Documents graph1.c Music Public string.c testing
a.out CountFile.txt Downloads graph1.c.save new set s.txt test.txt
appu Desktop examples.desktop graph.c newdir show symlink tet.txt
FileList.txt ls.doc one SortCountry.txt Templates Togglestory.txt
ubuntu@ubuntu-HP-Laptop-15-bs1xx: |

```

## 11. Create in one command the directories

~/dir1/dir2/dir3 (dir3 is a subdirectory from dir2 and dir2 is a subdirectory from dir1).

```
ubuntu@ubuntu-HP-Laptop-15-bslxx: ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ cd /etc
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ mkdir ~/anju
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ cd ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls
allu bst.c      dir1      foss      mult_stack.c  Pictures      Story.txt  testdir      Videos
anju Capstory.txt  Documents  graph1.c  Music      Public      string.c  testing
anu CountFile.txt  Downloads  graph1.c.save  new       set        s.txt    test.txt
a.out Countries.txt examples.desktop graph.c  newdir     show      symlink  tet.txt
appu Desktop      FileList.txt  ls.doc    one       SortCountry.txt  Templates  Togglestory.txt
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ mkdir -p ~/dir1/dir2/dir3
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls dir1
dir2
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls dir1/dir2
dir3
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ |
```

## 12. Display the calendar for April 2019.

```
ubuntu@ubuntu-HP-Laptop-15-bslxx: ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ cd /etc
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ mkdir ~/anju
ubuntu@ubuntu-HP-Laptop-15-bslxx:/etc$ cd ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls
allu bst.c      dir1      foss      mult_stack.c  Pictures      Story.txt  testdir      Videos
anju Capstory.txt  Documents  graph1.c  Music      Public      string.c  testing
anu CountFile.txt  Downloads  graph1.c.save  new       set        s.txt    test.txt
a.out Countries.txt examples.desktop graph.c  newdir     show      symlink  tet.txt
appu Desktop      FileList.txt  ls.doc    one       SortCountry.txt  Templates  Togglestory.txt
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ mkdir -p ~/dir1/dir2/dir3
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls dir1
dir2
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls dir1/dir2
dir3
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls dir1/dir2
dir3
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ cal April 2019
      April 2019
Su Mo Tu We Th Fr Sa
      1   2   3   4   5   6
7   8   9   10  11  12  13
14  15  16  17  18  19  20
21  22  23  24  25  26  27
28  29  30
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ |
```

13. Display that ‘There are..... files in my current directory’.The....should be filled with the count of the files.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ echo There are $(ls | wc -l) files in my current directory
There are 41 files in my current directory
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

14. List all the files (including hidden files) in your home directory.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ ls -a ~
.                                .bashrc      dir1          .gphoto     .nano      SortCountry.txt    test.txt
..                               bst.c        .dmrc        graph1.c   new       Story.txt      tet.txt
allu                            .cache       Documents   graph1.c.save  newdir    string.c      Togglestory.txt
anju                            Capstory.txt Downloads  graph.c     one      s.txt        Videos
anu                             .compiz      examples.desktop .ICEAuthority Pictures .sudo_as_admin_successful .xauthority
a.out                           .config      fileList.txt  .local     .profile  symlink      .xsession-errors
appu                            CountFile.txt Countries.txt .gconf     mult_stack.c set      Templates      .xsession-errors.old
.bash_history                   .bash_logout Desktop   .gnupg     Music      show       testing
.bash_logout                    .gnupg      gnupg      Music      show       testing

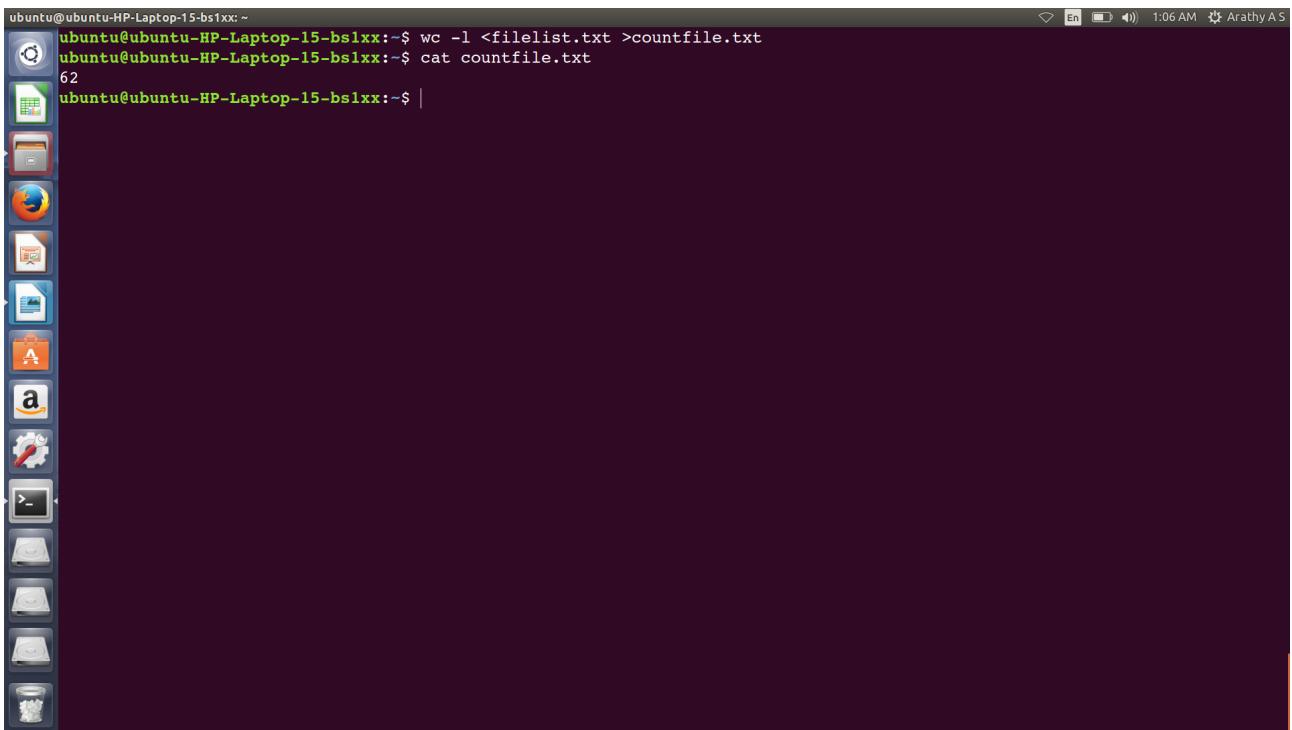
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~|
```

15. Redirect the output of the above command to a new file `FileList.txt`.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
.bash_history Countries.txt .gconf          mult_stack.c   set      testdir
.bash_logout  Desktop    .gnupg        Music       show      testing
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ ls -a >> fileList.txt
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat fileList.txt
.
..
allu
anju
anu
a.out
appu
.bash_history
.bash_logout
.bashrc
bst.c
.cache
Capstory.txt
.composite
.config
CountFile.txt
Countries.txt
Desktop
dir1
dmrc
Documents
Downloads
examples.desktop
fileList.txt
foss
.gconf
.gnupg
.gphoto
graph1.c
```

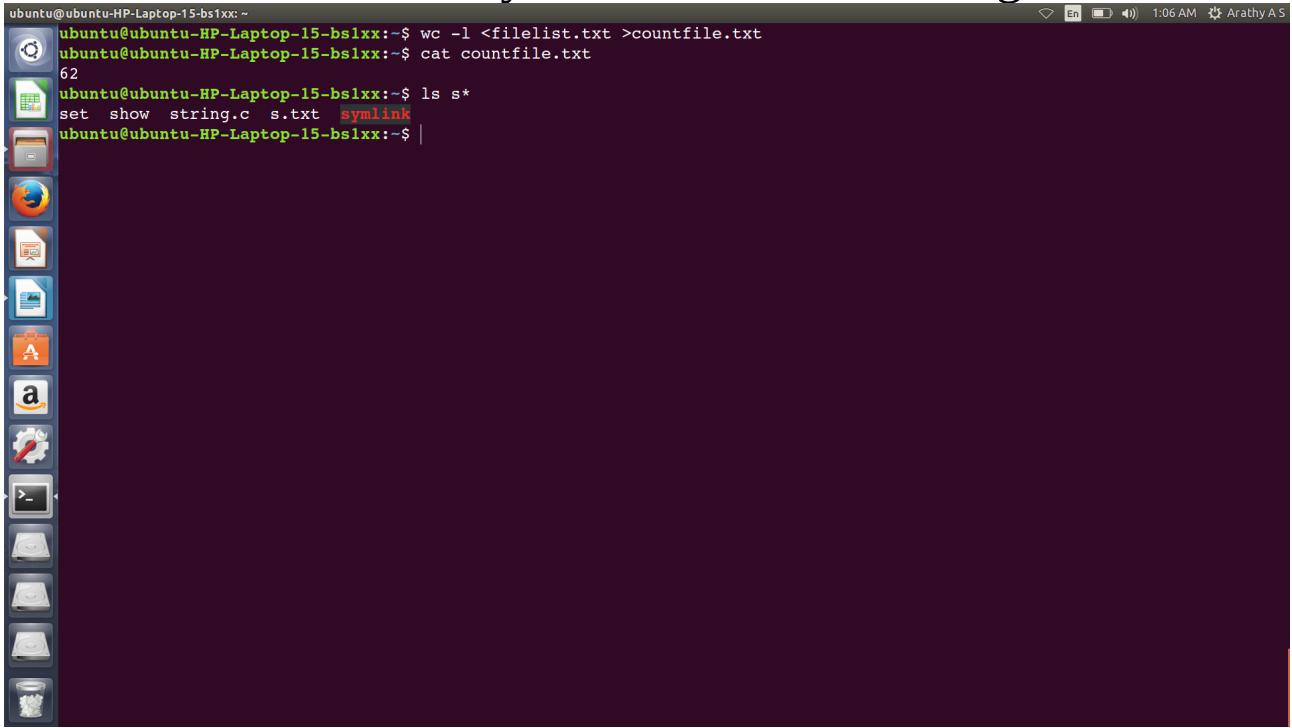
16. Redirect the numbers of fileList.txt to countfile.txt.

```
ubuntu@ubuntu-HP-Laptop-15-bslxx: ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ wc -l <filelist.txt >countfile.txt
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ cat countfile.txt
62
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ |
```



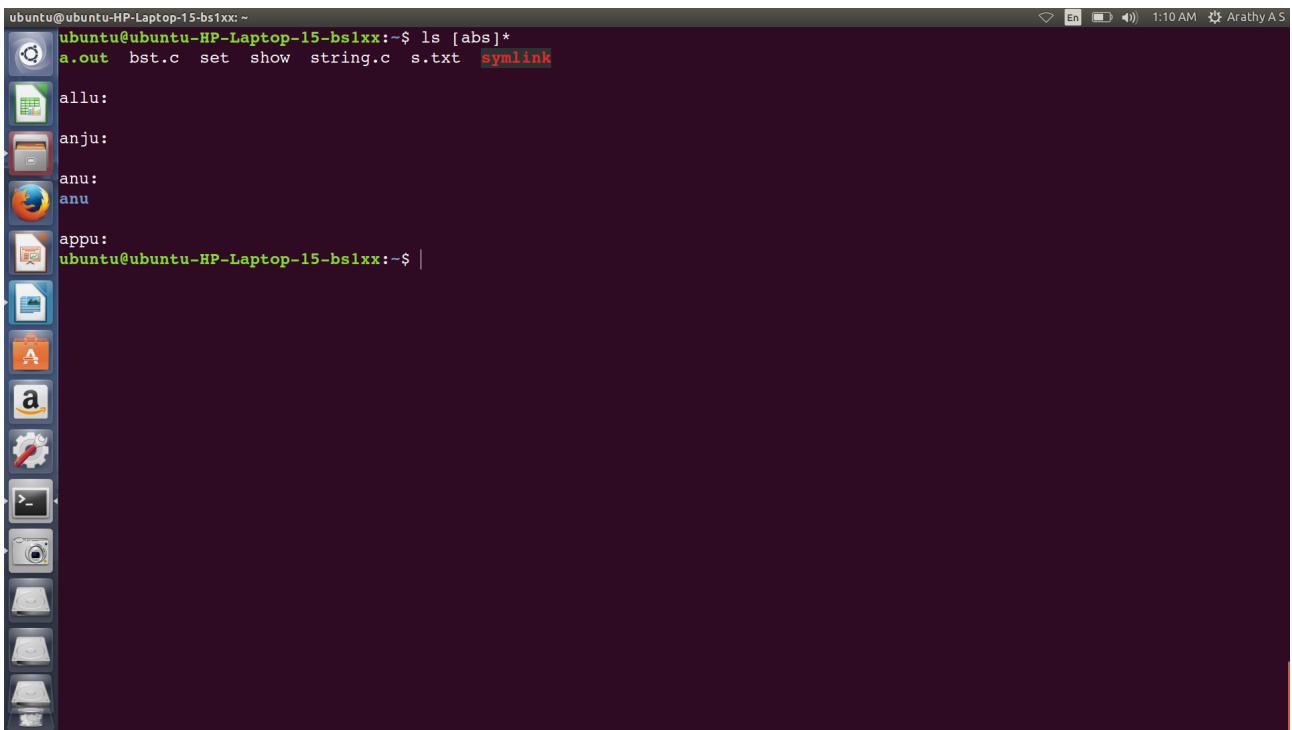
17. List all the files in your home direc starting with ‘s’.

```
ubuntu@ubuntu-HP-Laptop-15-bslxx: ~
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ wc -l <filelist.txt >countfile.txt
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ cat countfile.txt
62
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ ls s*
set show string.c s.txt  symlink
ubuntu@ubuntu-HP-Laptop-15-bslxx:~$ |
```



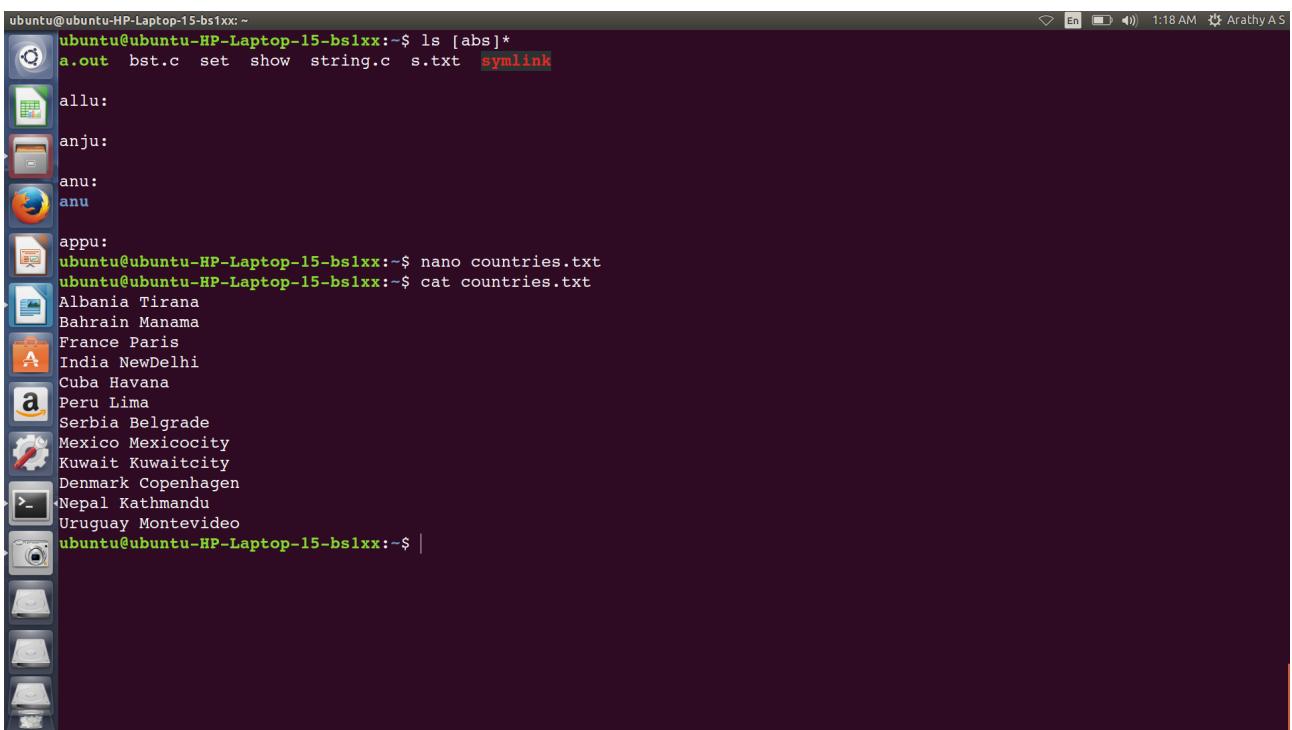
18. List all the file-names starting with “a”, “b”, “s”.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ ls [abs]*
a.out bst.c set show string.c s.txt symlink
allu:
anju:
anu:
appu:
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

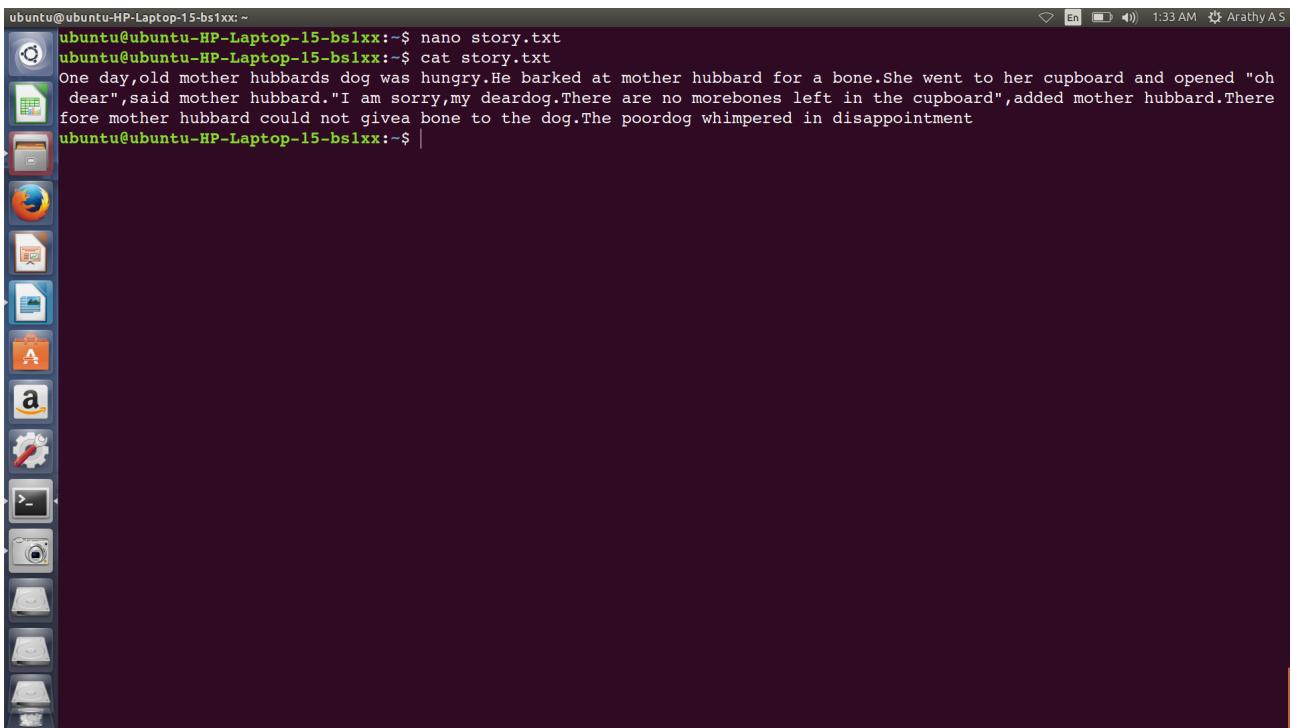


19. Create two files ‘Countries.txt’,containing country names and their corresponding capital cities and’story.txt’ contains some arbitrary lines of text.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ ls [abs]*
a.out bst.c set show string.c s.txt symlink
allu:
anju:
anu:
appu:
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ nano countries.txt
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat countries.txt
Albania Tirana
Bahrain Manama
France Paris
India NewDelhi
Cuba Havana
Peru Lima
Serbia Belgrade
Mexico Mexicocity
Kuwait Kuwaicity
Denmark Copenhagen
Nepal Kathmandu
Uruguay Montevideo
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

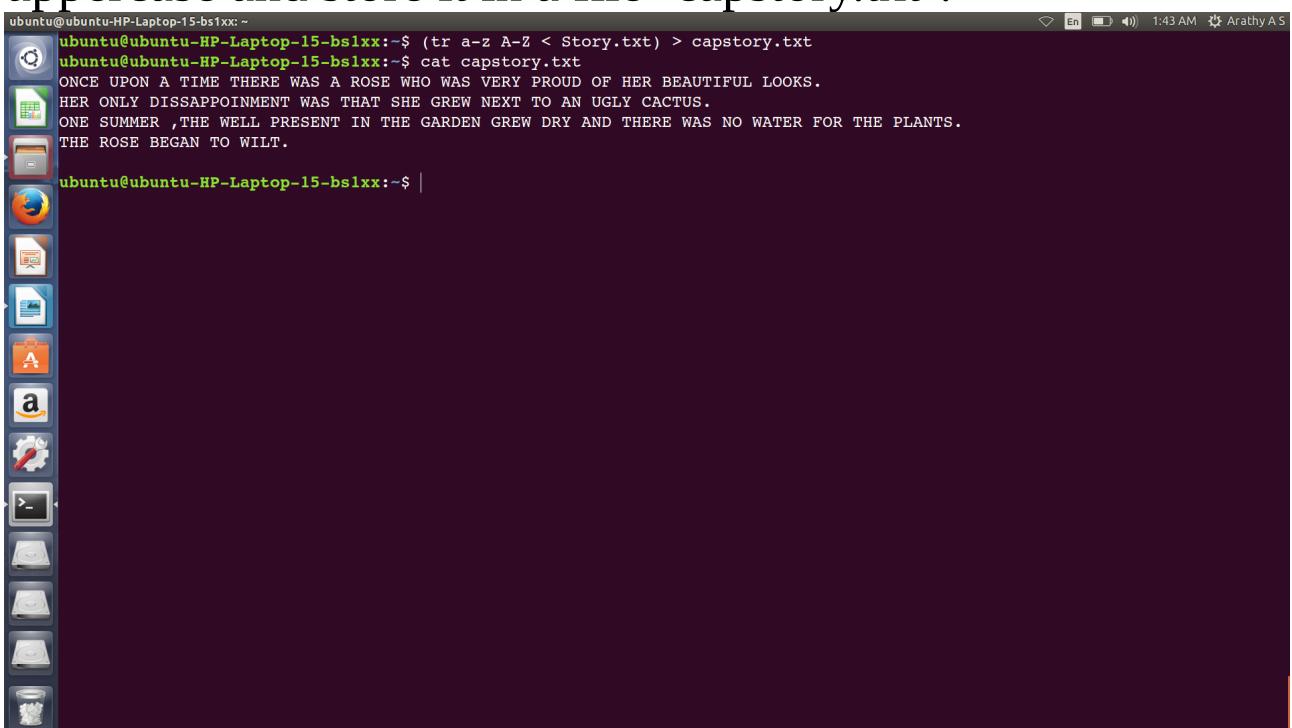


```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ nano story.txt
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat story.txt
One day,old mother hubbards dog was hungry.He barked at mother hubbard for a bone.She went to her cupboard and opened "oh
dear",said mother hubbard."I am sorry,my deardog.There are no morebones left in the cupboard",added mother hubbard.There
fore mother hubbard could not givea bone to the dog.The poordog whimpered in disappointment
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~ |
```



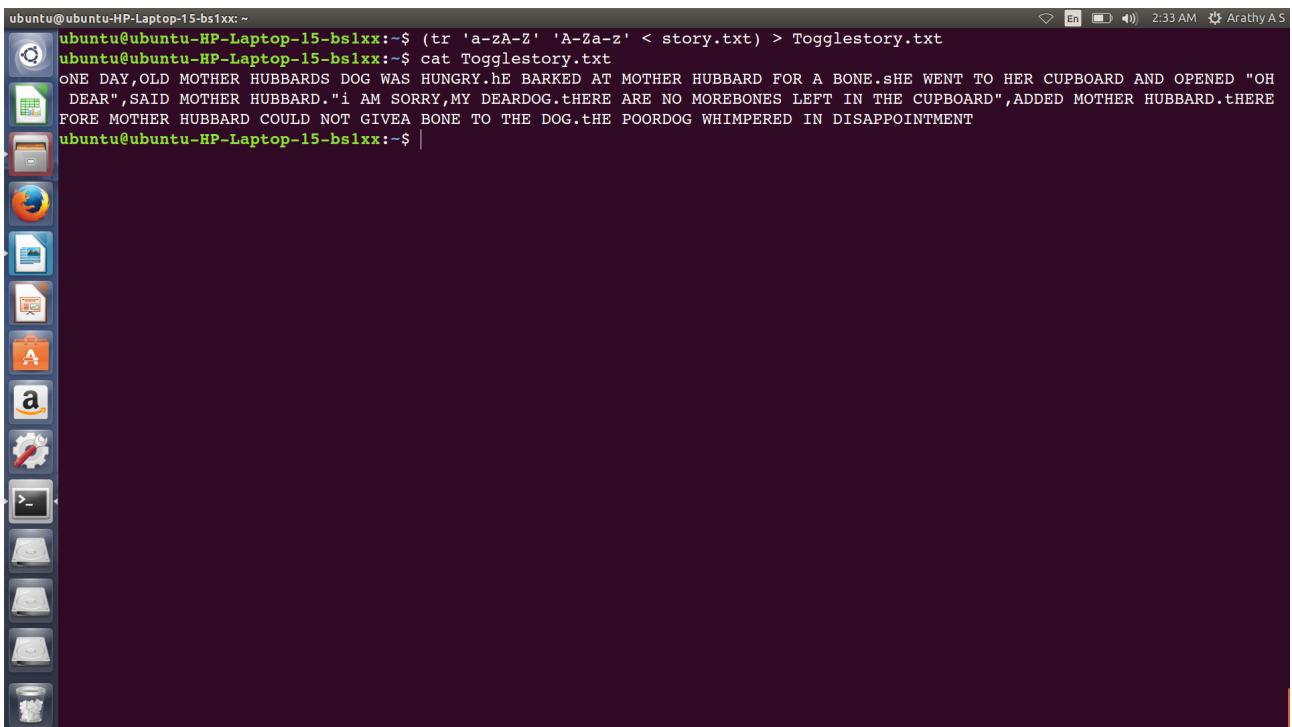
20. Convert all lowercase characters from ‘story.txt’ to uppercase and store it in a file ‘capstory.txt’.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ (tr a-z A-Z < Story.txt) > capstory.txt
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat capstory.txt
ONCE UPON A TIME THERE WAS A ROSE WHO WAS VERY PROUD OF HER BEAUTIFUL LOOKS.
HER ONLY DISSAPPOINTMENT WAS THAT SHE GREW NEXT TO AN UGLY CACTUS.
ONE SUMMER ,THE WELL PRESENT IN THE GARDEN GREW DRY AND THERE WAS NO WATER FOR THE PLANTS.
THE ROSE BEGAN TO WILT.
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~ |
```



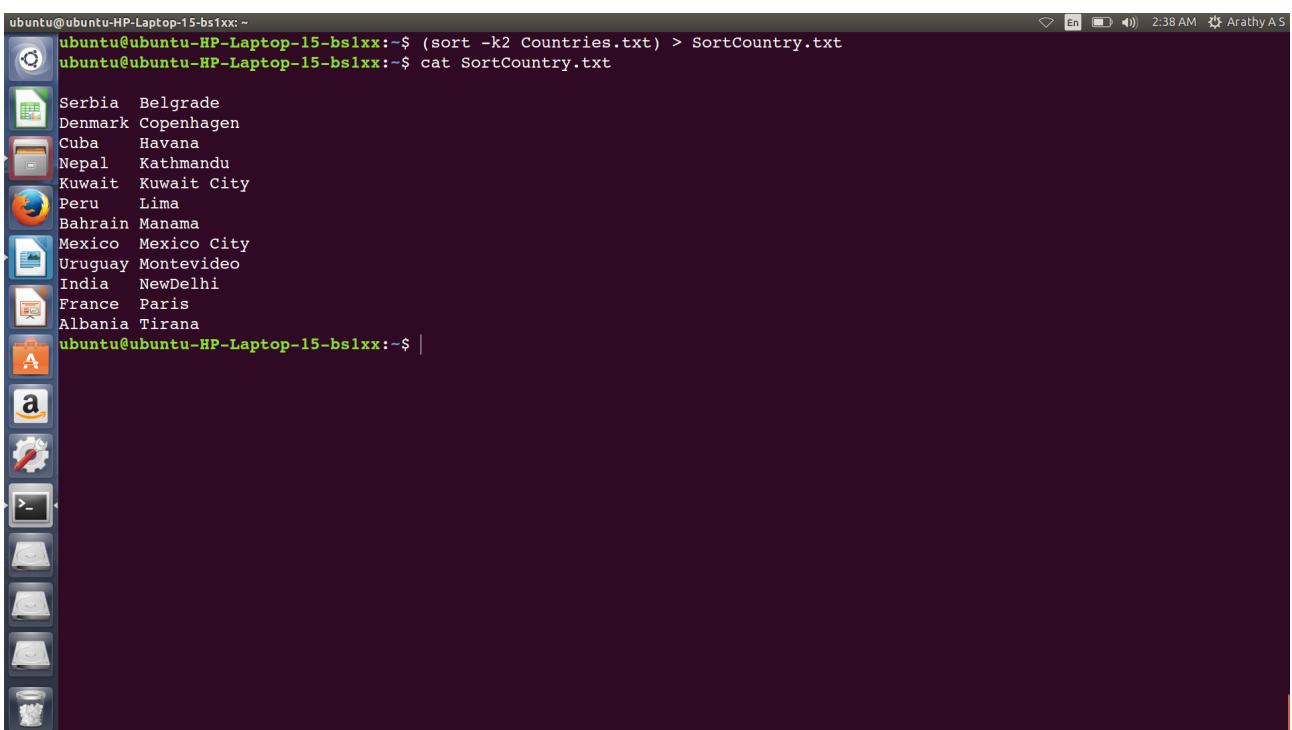
21. Toggle the cases in’Story.txt’ and store it in a file ‘Togglestory.txt’.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ (tr 'a-zA-Z' 'A-Za-z' < story.txt) > Togglestory.txt  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat Togglestory.txt  
ONE DAY,OLD MOTHER HUBBARDS DOG WAS HUNGRY.hE BARKED AT MOTHER HUBBARD FOR A BONE.sHE WENT TO HER CUPBOARD AND OPENED "OH  
DEAR",SAID MOTHER HUBBARD."i AM SORRY,MY DEARDOG.tHERE ARE NO MOREBONES LEFT IN THE CUPBOARD",ADDED MOTHER HUBBARD.tHERE  
FORE MOTHER HUBBARD COULD NOT GIVEA BONE TO THE DOG.the POORDOG WHIMPERED IN DISAPPOINTMENT  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~ |
```



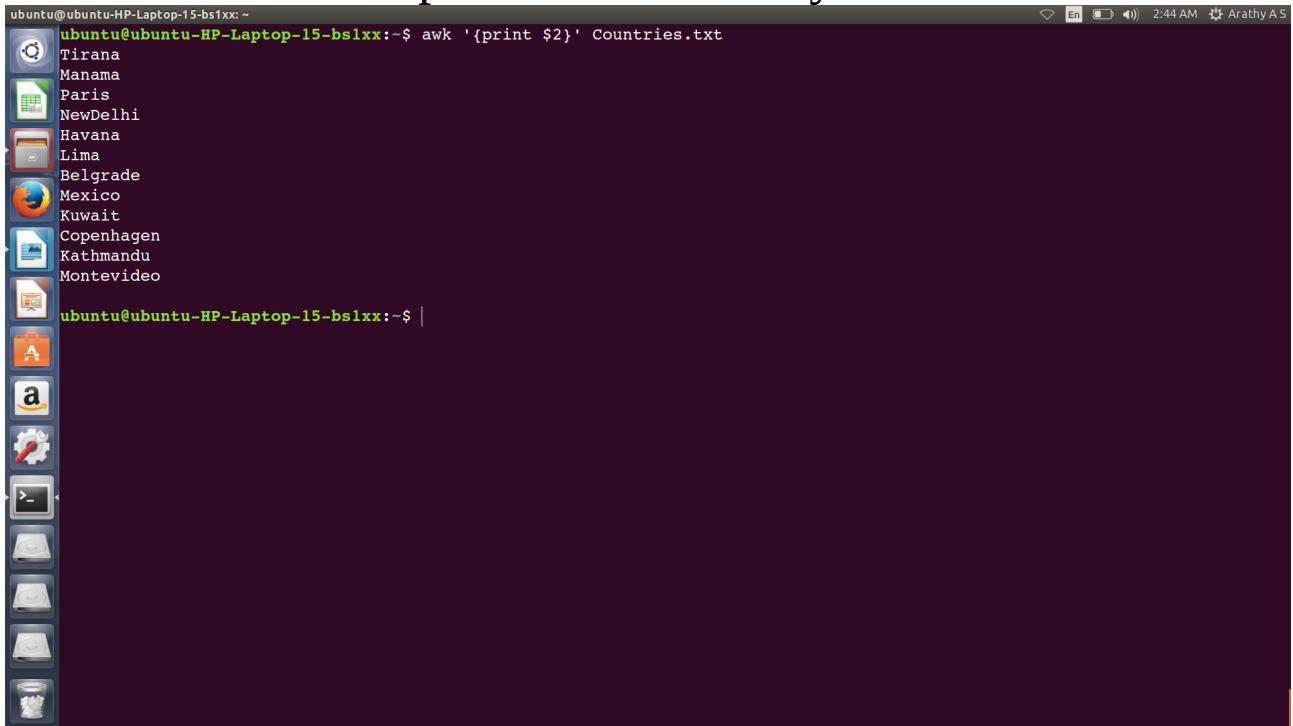
22. Sort the contents of ‘Countries.txt’ with capital as the primary sort key and write the sorted output to ‘SortCountry.txt’.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ (sort -k2 Countries.txt) > SortCountry.txt  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ cat SortCountry.txt  
Serbia Belgrade  
Denmark Copenhagen  
Cuba Havana  
Nepal Kathmandu  
Kuwait Kuwait City  
Peru Lima  
Bahrain Manama  
Mexico Mexico City  
Uruguay Montevideo  
India NewDelhi  
France Paris  
Albania Tirana  
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~ |
```



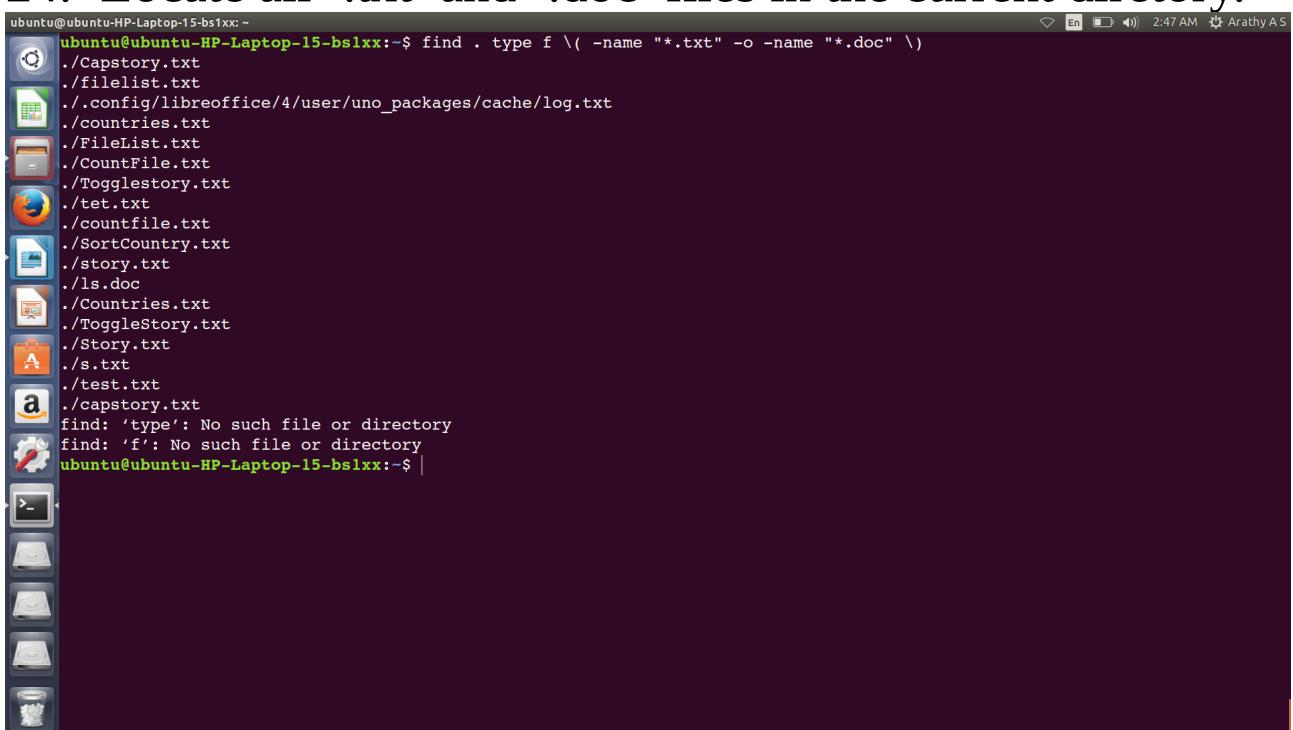
23. Display only the capital as the primary sort key and write the sorted output to ‘SortCountry.txt’.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ awk '{print $2}' Countries.txt
Tirana
Manama
Paris
NewDelhi
Havana
Lima
Belgrade
Mexico
Kuwait
Copenhagen
Kathmandu
Montevideo
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

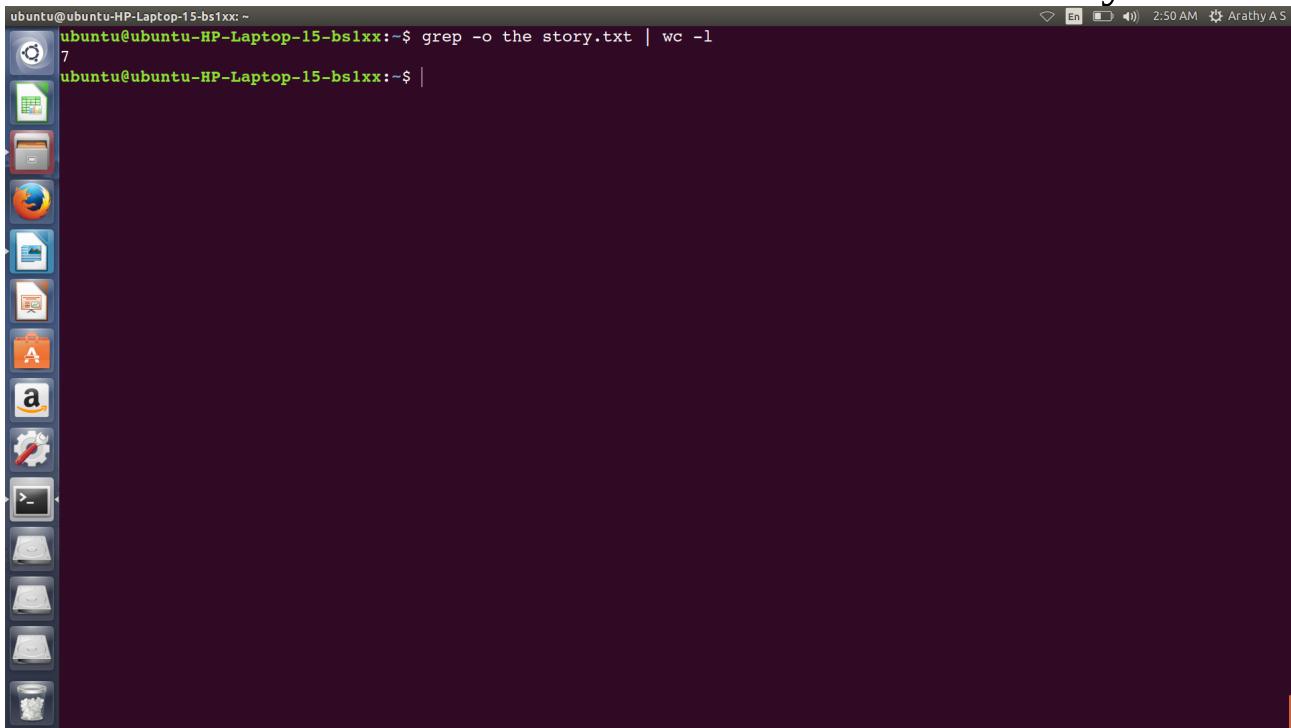


24. Locate all ‘.txt’ and ‘.doc’ files in the current directory.

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx: ~
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ find . type f \(\ -name "*.txt" -o -name "*.doc" \)
./Capstory.txt
./filelist.txt
./.config/libreoffice/4/user/uno_packages/cache/log.txt
./countries.txt
./FileList.txt
./CountFile.txt
./Togglestory.txt
./tet.txt
./countfile.txt
./SortCountry.txt
./story.txt
./ls.doc
./Countries.txt
./ToggleStory.txt
./Story.txt
./s.txt
./test.txt
./capstory.txt
find: 'type': No such file or directory
find: 'f': No such file or directory
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```



## 25. Count the number of occurrence of ‘the’ in ‘Story.txt’



A screenshot of an Ubuntu desktop environment. On the left, there is a vertical dock containing various application icons. In the center, a terminal window is open with the following command and output:

```
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ grep -o the story.txt | wc -l
7
ubuntu@ubuntu-HP-Laptop-15-bs1xx:~$ |
```

The terminal window shows the user's command to count the occurrences of the word 'the' in 'story.txt' using the 'grep' and 'wc' commands. The output is '7', indicating there are seven occurrences of the word 'the' in the file.

CONCLUSION: Cycle1 completed using ubuntu