File system management

Task 1

1: Create few folders “testfolder1”, “testfolder2” in your home directory & list the folders that u have created

A:

```
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# cd
[root@localhost ~]# mkdir testfolder1
[root@localhost ~]# mkdir testfolder2
[root@localhost ~]# ls
-  anaconda-ks.cfg  ~he  link1.txt  link.txt  original-ks.cfg  test  testfolder1  ~testfolder1  testfolder2
```

2: Create few files in testfolder1 named “file1.txt”, “file2.txt”, “file3.txt”

A:

```
[root@localhost ~]# cd testfolder1
[root@localhost testfolder1]# touch file1.txt
[root@localhost testfolder1]# touch file2.txt
[root@localhost testfolder1]# touch file3.txt
[root@localhost testfolder1]# ls
file1.txt  file2.txt  file3.txt
[root@localhost testfolder1]#
```

3: Copy “file1.txt” and “file2.txt” from testfolder1 to testfolder2.

A:

```
[root@localhost ~]# cd testfolder1/file1.txt testfolder2
-bash: cd: testfolder1/file1.txt: Not a directory
[root@localhost ~]# cp testfolder1/file1.txt testfolder2
[root@localhost ~]# cp testfolder2/file2.txt testfolder2
cp: cannot stat ‘testfolder2/file2.txt’: No such file or directory
[root@localhost ~]# cp testfolder1/file2.txt testfolder2
[root@localhost ~]#
[root@localhost ~]# cd testfolder2
[root@localhost testfolder2]# ls
file1.txt  file2.txt
```

4: Create a softlink for file3.txt” in testfolder2

A:

```
[root@localhost ~]# ln -s /path/to/file3.txt testfolder2/link.txt
[root@localhost ~]# cd testfolder2
[root@localhost testfolder2]# ls
file1.txt  file2.txt  link.txt
[root@localhost testfolder2]# ls -l link.txt
lrwxrwxrwx. 1 root root 18 May 16 06:56 link.txt -> /path/to/file3.txt
[root@localhost testfolder2]#
```

5: Delete “testfolder1” along with the files inside

A:

```
[root@localhost ~]# rm -r testfolder1
rm: descend into directory ‘testfolder1’? yes
rm: remove regular empty file ‘testfolder1/file1.txt’? yes
rm: remove regular empty file ‘testfolder1/file2.txt’? yes
rm: remove regular empty file ‘testfolder1/file3.txt’? yes
rm: remove regular empty file ‘testfolder1/testfolder2’? yes
rm: remove directory ‘testfolder1’? yes
```

6: Find the dangling softlink and delete

A:

```
[root@localhost ~]# cd testfolder2
[root@localhost testfolder2]# ls
file1.txt  file2.txt  link.txt
[root@localhost testfolder2]# ls -l link.txt
lrwxrwxrwx. 1 root root 18 May 16 06:56 link.txt -> /path/to/file3.txt
[root@localhost testfolder2]# rm link.txt
rm: remove symbolic link ‘link.txt’? yes
[root@localhost testfolder2]# ls
file1.txt  file2.txt
```

Task 2

7: Create nested directories ”/root/apps/app1/bin” using single mkdir command

A:

```
[root@localhost ~]# mkdir -p -v root/apps/app1/bin
mkdir: created directory ‘root’
mkdir: created directory ‘root/apps’
mkdir: created directory ‘root/apps/app1’
mkdir: created directory ‘root/apps/app1/bin’
[root@localhost ~]# ls
-  anaconda-ks.cfg  ~he  original-ks.cfg  root  test  ~testfolder1  testfolder2
```

8: Create a file named fruits.txt inside ”/root/apps/app1/bin” And copy the contents attached in the pdf

A:

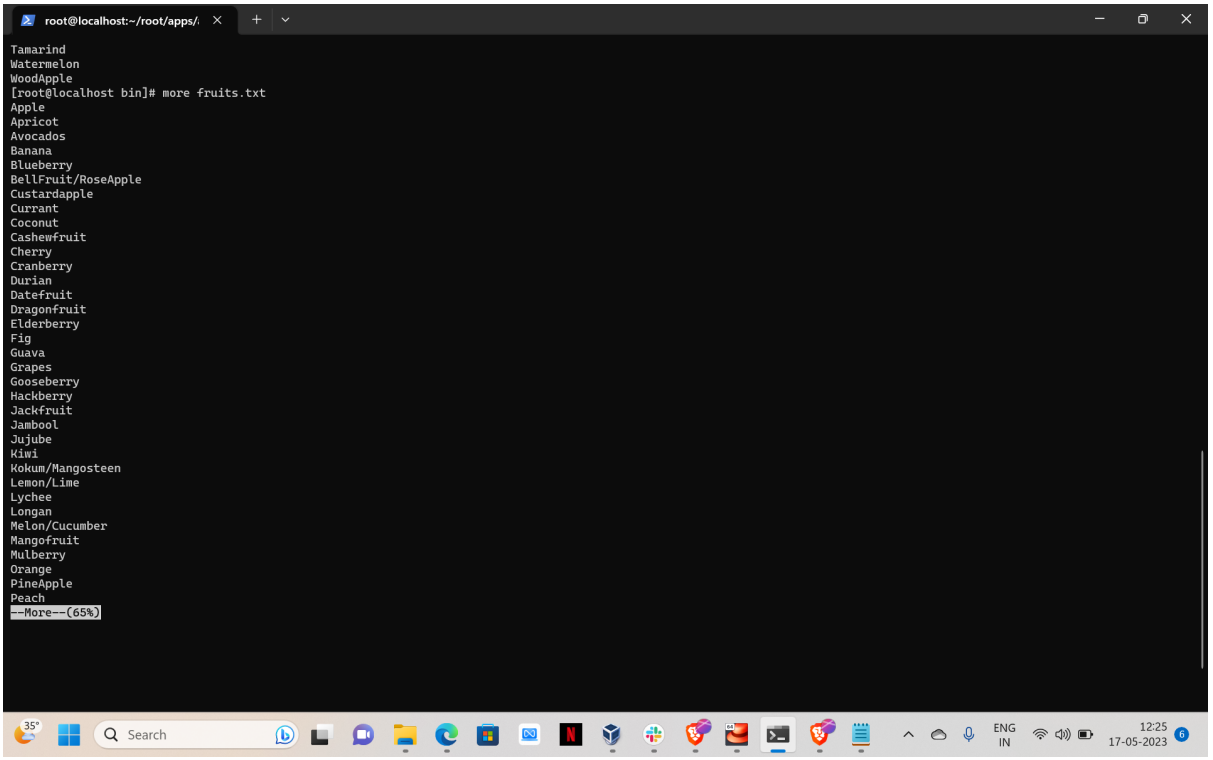
```
[root@localhost ~]# cd root/apps/app1/bin
[root@localhost bin]# touch fruits.txt
[root@localhost bin]# cat >> fruits.txt
AppleApricotAvocadosBananaBlueberryBellFruit/RoseAppleCustardappleCurrantCoconutCashewfruitCherryCranberryDurianDatefruitDragonfruitE
lderberryFigGuavaGrapesGooseberryHackberryJackfruitJamboolJujubeKiwiKokum/MangosteenLemon/LimeLycheeLonganMelon/CucumberMangofruitMul
berryOrangePineApplePeachPomegranatePalmfruitPearPlumPapayaPithecellobiumdulcePassionRaspberries
RambutanStrawberrySapota/chikooStarfruitSweetLimeSugarCaneTamarindWatermelonWoodApple
[root@localhost bin]#
```

Due to error in the pdf uploaded in the lms site the copied data is pasted without spaces. Then i have edited the txt file in next step.

9:

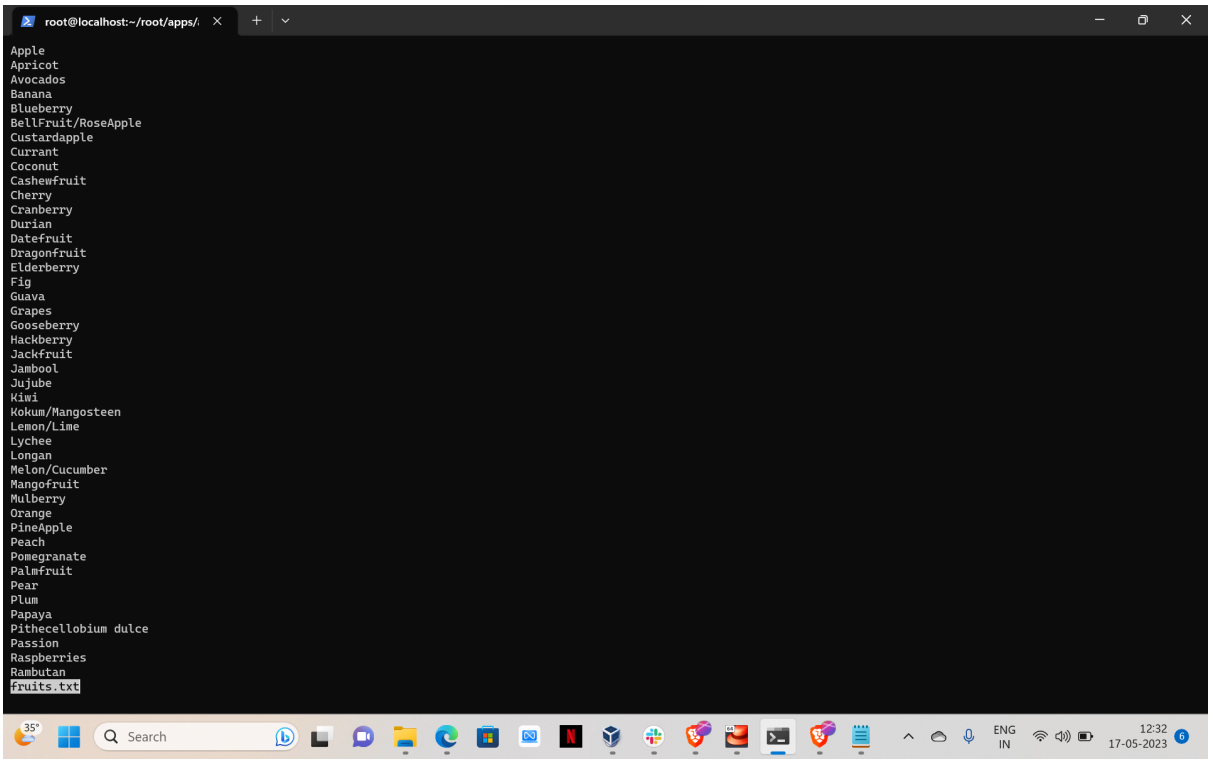
Display the contents in the “fruits.txt” using more command

A:



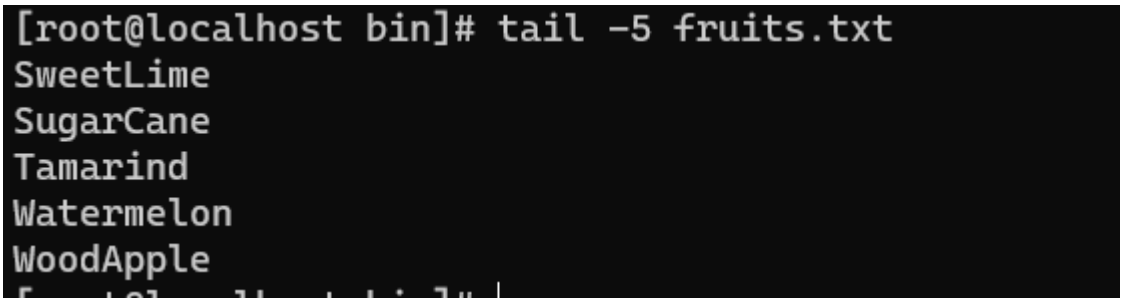
10: Display the contents in the “fruits.txt” using less command

A:



11: Display the last 5 lines in the “fruits.txt”

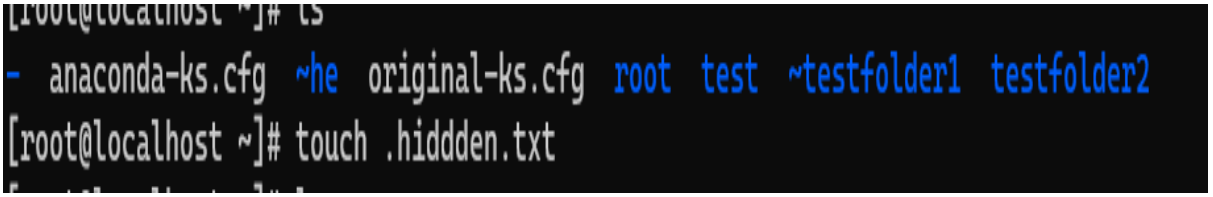
A:



Task 3

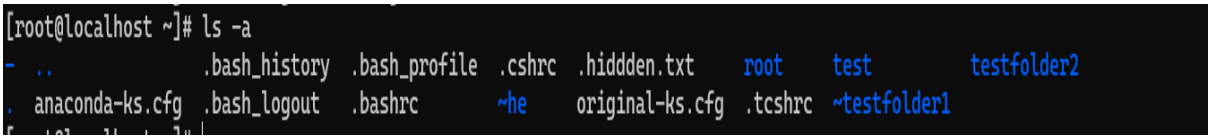
12: Create a hidden file using touch command (ex:touch.hidden.txt)

A:



13:Display the hidden file using “ls-a” command

A:



14: Display the current working Directory

A:

15: Display your ip address using grep command

A: