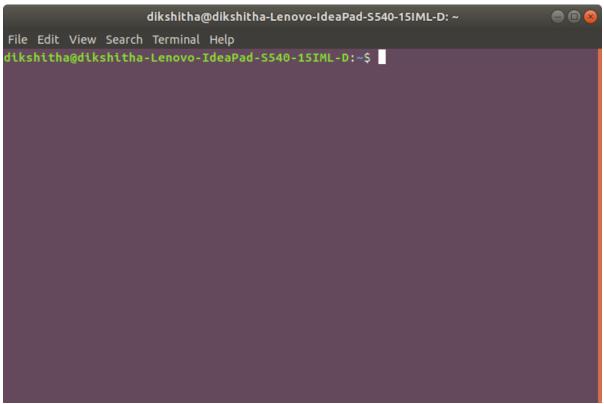
Name:Dikshitha Vani Roll no: 205001032

UNIX LAB ASSIGNMENT

1)Login to the system



2)Launch the terminal. Identify the prompt. What is it?

$dik shitha@dik shitha-Lenovo-Idea Pad-S 540-15 IML-D: {\tt ~\$}$

3)Launch a terminal maximize the window. Define a profile with the color built-in scheme. "Black on light yellow". Set your new profile as the default profile.



- 4)Try these commands and give your interpretation on it:
- a. Echo
- i. echo string

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ echo string string

Description:echo command outputs the string that is passed as arguments. Here, string is printed.

ii. echo *

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ echo *

a1.c A1.c a1.out A1.out array.h Array.h assignment1.txt Desktop Documents Downloads EB.class Employee.class examples.desktop hello hello.c hello.java Music output Pictures Public snap sum1.class sum1.java sum2.class sum2.java Templates typescript Videos

Description:echo * command prints all the files and directories in the pwd.

iii. echo

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ echo (output is an empty line)

Description:echo command outputs the string that is passed as arguments. Here, only an empty new line is printed since no arguments have been passed.

- b. date
- i. Print date in dd-mm-yyyy format. out the option for this format. dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ date "+%d-%m-%Y" 20-09-2021

Description:date command is used to print the date. Here the following format specifiers are specified to print the date in the given format. %d for the day of the month, %m for the month in numerical format and %Y for the year in YYYY format.

ii. Print time in hh-mm-ss format, hh is 0-24 hours.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ date "+%H-%M-%S" 22-06-06

iii. Print the date in the following formats Thursday, 20/08/2020

Description:date command is used to print the date/time. Here the following format specifiers are specified to print the time in the given format. %H for the Hours in 24 hour format, %M for the minutes and %S for the seconds.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ date "+%A, %d/%m/%Y" Monday, 20/09/2021

Description:date command is used to print the date. Here the following format specifiers are specified to print the date in the given format. %A for the day of the week in long form, %d for the day of the month, %m for the month in numerical format and %Y for the year in YYYY format.

- c. cal
- i. Print the calendar for the current month.

```
      dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ cal

      September 2021

      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
```

Description:date command is used to print the calendar of the given month or year. Here the calendar for the current month is printed

ii. Print the calendar for year 2020.

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ cal 2020
                     2020
                     February
    January
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
       1 2 3 4
                               1 1 2
  6 7 8 9 10 11 2 3 4 5 6
                            7 8
                                8 9 10 11 12 13 14
12 13 14 15 16 17 18
                9 10 11 12 13 14 15 15 16 17 18 19 20 21
26 27 28 29 30 31 23 24 25 26 27 28 29 29 30 31
     April
                      May
                                       June
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
       1 2 3 4
                                    1
  6 7 8 9 10 11 3 4 5 6
                          7
                            8 9
                                 7 8
                                     9 10 11 12 13
26 27 28 29 30
                24 25 26 27 28 29 30 28 29 30
                31
      July
                      August
                                     September
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
       1 2 3 4
                              1
5 6 7 8 9 10 11 2 3 4 5 6 7 8
                                   7
                                 6
                                      8
                                        9 10 11 12
                9 10 11 12 13 14 15 13 14 15 16 17 18 19
12 13 14 15 16 17 18
23 24 25 26 27 28 29 27 28 29 30
26 27 28 29 30 31
                30 31
    October 0
                     November
                                      December
Su Mo Tu We Th Fr Sa
                Su Mo Tu We Th Fr Sa
                                 Su Mo Tu We Th Fr Sa
          1 2 3 1 2 3 4 5 6 7
                                      1 2 3 4 5
       7
         8 9 10
                8 9 10 11 12 13 14
                                 6 7 8 9 10 11 12
11 12 13 14 15 16 17
                15 16 17 18 19 20 21 13 14 15 16 17 18 19
                22 23 24 25 26 27 28 20 21 22 23 24 25 26
18 19 20 21 22 23 24
25 26 27 28 29 30 31
                29 30
                                 27 28 29 30 31
```

Description:date command is used to print the calendar of the given month or year.

Here the calendar for the year 2020 (given as argument) is printed iii. Print the calendar for August 2020.

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ cal 08 2020
August 2020
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 31
```

Description:date command is used to print the calendar of the given month or year. Here the calendar for the month of August in 2020, as per the arguments provided is printed.

d. who and whoami

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ who dikshitha :0 2021-09-20 19:01 (:0) dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ who ami Dikshitha

Description: who and who ami display system information

e. uname with options -a, -s, -r, -sr

Description: uname command prints the name, version and other details about the current machine and operation system running on it based on the arguments and options provided. -a prints all the details, -r prints the kernel release, -s prints the kernel name

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ uname -a
```

Linux dikshitha-Lenovo-IdeaPad-S540-15IML-D 5.4.0-84-generic #94~18.04.1-Ubuntu SMP Thu Aug 26 23:17:46 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ uname -s Linux

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ uname -r 5.4.0-84-generic

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ uname -sr Linux 5.4.0-84-generic

f. df -h

Description: Reports the file system disk space and usage, -h presents in human readability

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ df -h

```
Filesystem
            Size Used Avail Use% Mounted on
udev
            3.8G 0 3.8G 0% /dev
           770M 2.1M 768M 1% /run
tmpfs
/dev/sda5
           115G 14G 95G 13% /
tmpfs
            3.8G 432K 3.8G 1% /dev/shm
           5.0M 4.0K 5.0M 1% /run/lock
tmpfs
tmpfs
            3.8G 0 3.8G 0% /sys/fs/cgroup
/dev/loop0
           244M 244M 0 100% /snap/gnome-3-38-2004/39
           219M 219M 0 100% /snap/gnome-3-34-1804/66
/dev/loop1
/dev/loop2
            56M 56M
                       0 100% /snap/core18/2128
            2.5M 2.5M
                       0 100% /snap/gnome-system-monitor/163
/dev/loop3
/dev/loop4
           62M 62M
                       0 100% /snap/core20/1081
/dev/loop5
           2.5M 2.5M
                       0 100% /snap/gnome-calculator/826
/dev/loop6
           768K 768K 0 100% /snap/gnome-characters/723
                        0 100% /snap/snapd/12883
/dev/loop8
            33M 33M
/dev/loop7
           66M 66M
                        0 100% /snap/gtk-common-themes/1515
/dev/loop9
           2.5M 2.5M
                        0 100% /snap/gnome-calculator/884
/dev/loop11
           640K 640K 0 100% /snap/gnome-logs/103
           640K 640K 0 100% /snap/gnome-logs/106
/dev/loop12
/dev/loop13 56M 56M
                        0 100% /snap/core18/2074
/dev/loop17 219M 219M 0 100% /snap/gnome-3-34-1804/72
/dev/loop15 33M 33M
                        0 100% /snap/snapd/12704
/dev/loop14 242M 242M 0 100% /snap/gnome-3-38-2004/70
/dev/loop18 62M 62M
                       0 100% /snap/core20/1026
/dev/loop16 2.5M 2.5M
                       0 100% /snap/gnome-system-monitor/160
/dev/loop19 768K 768K 0 100% /snap/gnome-characters/726
/dev/loop10 65M 65M
                        0 100% /snap/gtk-common-themes/1514
/dev/nvme0n1p1 256M 33M 224M 13% /boot/efi
tmpfs
           770M 16K 770M 1% /run/user/121
           770M 40K 770M 1% /run/user/1000
tmpfs
```

g. History

Description: displays history of commands used in session

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ history

- 1 sudo update
- 2 sudo apt-get update

```
3 firefox-browser
4 sudo apt update
5 $ wget -qO - https://download.sublimetext.com/sublimehq-pub.gpg | sudo apt-key add -
6 wget -qO - https://download.sublimetext.com/sublimehq-pub.gpg | sudo apt-key add -
7 echo "deb https://download.sublimetext.com/ apt/stable/" | sudo tee
/etc/apt/sources.list.d/sublime-text.list
8 sudo apt update
9 sudo apt install sublime-text
 389 echo string
 390 echo *
 391 echo
 392 date "+%d-%m-%Y"
 393 date "+%H-%M-%S"
 394 date "+%A, %d/%m/%Y"
 395 cal
 396 cal 2020
 397 cal 08 2020
 398 who
 399 whoami
 400 uname -a
 401 uname-s
 402 uname -s
 403 uname -r
 404 uname -sr
```

405 df -h 406 history

h. clear

Description: All the previously typed commands are cleared.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ clear



Files

- cat
 - Create a file lockdown story.txt with
 - cat >lockdown_story.txt
 and typing the lines on the stdin (standard input).
 - Print (display) the contents of lockdown story.txt on stdout (standard output)

Description:cat is used to concatenate files and for printing. cat> is used for concatenating data onto said file

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cat>lockdown_story.txt

- 1) Eat sleep play and repeat
- 2)having classes online
- 3)NO FUN

Description:cat is used for printing data inside file.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cat lockdown_story.txt

- 1) Eat sleep play and repeat2)having classes online3)NO FUN
 - Is
- List the contents of your home directory.

Description:Lists contents of directory

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ Is

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$lsa1.cArray.hDownloadshello.cPicturessum2.classA1.cassignment1.txtEB.classhello.javaPublicsum2.javaa1.outassignment_part2.txtEmployee.classlockdown_story.txtsnapTemplatesA1.outDesktopexamples.desktopMusicsum1.classtypescriptarray.hDocumentshellooutputsum1.javaVideos
```

o List the contents of your home directory with :

long format

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ Is -I

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ ls -l
total 180
-rw-rw-r-- 1 dikshitha dikshitha 1192 Sep 20 19:09 a1.c
-rw-rw-r-- 1 dikshitha dikshitha 783 Sep 19 17:24 A1.c
-rwxrwxr-x 1 dikshitha dikshitha 12688 Sep 20 00:01 a1.out
-rwxrwxr-x 1 dikshitha dikshitha 12776 Sep 19 17:24 A1.out
-rw-rw-r-- 1 dikshitha dikshitha 618 Sep 20 19:14 array.h
-rw-rw-r-- 1 dikshitha dikshitha 520 Sep 19 17:24 Array.h
-rw-rw-r-- 1 dikshitha dikshitha 17556 Sep 20 22:10 assignment1.txt
-rw-rw-r-- 1 dikshitha dikshitha 0 Sep 20 22:11 assignment_part2.txt
drwxr-xr-x 5 dikshitha dikshitha 4096 Sep 20 19:26 Desktop
drwxr-xr-x 2 dikshitha dikshitha 4096 Jul 1 22:33 Documents
drwxr-xr-x 2 dikshitha dikshitha 4096 Sep 18 20:07 Downloads
-rw-rw-r-- 1 dikshitha dikshitha 1306 Sep 18 22:46 EB.class
-rw-rw-r-- 1 dikshitha dikshitha 3482 Sep 18 22:50 Employee.class
-rw-r--r-- 1 dikshitha dikshitha 8980 Dec 10 2020 examples.desktop
-rw-rw-r-- 1 dikshitha dikshitha 734 Sep 16 23:07 hello
-rw-rw-r-- 1 dikshitha dikshitha 774 Sep 19 10:08 hello.c
-rw-rw-r-- 1 dikshitha dikshitha 1670 Sep 18 20:25 hello.java
-rw-rw-r-- 1 dikshitha dikshitha 62 Sep 20 22:13 lockdown_story.txt
drwxr-xr-x 2 dikshitha dikshitha 4096 Dec 10 2020 Music
-rwxrwxr-x 1 dikshitha dikshitha 12736 Sep 20 19:14 output
drwxr-xr-x 3 dikshitha dikshitha 4096 May 7 10:26 Pictures
drwxr-xr-x 2 dikshitha dikshitha 4096 Dec 10 2020 Public
drwxr-xr-x 4 dikshitha dikshitha 4096 Jan 8 2021 snap
-rw-rw-r-- 1 dikshitha dikshitha 1220 Sep 18 22:46 sum1.class
-rw-rw-r-- 1 dikshitha dikshitha 1671 Sep 18 22:45 sum1.java
-rw-rw-r-- 1 dikshitha dikshitha 2307 Sep 18 22:50 sum2.class
-rw-rw-r-- 1 dikshitha dikshitha 4636 Sep 18 22:32 sum2.java
drwxr-xr-x 2 dikshitha dikshitha 4096 Dec 10 2020 Templates
-rw-rw-r-- 1 dikshitha dikshitha 734 Sep 16 22:45 typescript
drwxr-xr-x 3 dikshitha dikshitha 4096 May 7 10:27 Videos
```

hidden files

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ Is -Id .?*

recursive list

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ Is -R

```
./Desktop:
antiknap ch.cpp checkn.cpp:tests codin.cpp:tests cpp3-3.cpp

CSES_PROBLEM_SET imp.cpp neww

word
antiknap.cpp ch.cpp:tests che.cpp coding2 cpp3.cpp:tests

FastOlympicCoding-master imp.cpp:tests neww.cpp
antiknap.cpp:tests che che.cpp:tests coding2.cpp cpp_files

fhg.cpp:tests longtime neww.cpp:tests
a.out checkn codin coding2.cpp:tests cppppp3.cpp
hello longtime.cpp output.txt
ch checkn.cpp codin.cpp cpp3-3 'cppppp3.h>'
imp longtime.cpp:tests 'Screenshot from 2021-09-26 15-33-04.png'
```

modified time order

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ Is -t

```
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~$ ls -t
send.txt files.txt lockdown_story.txt sum1.java
myfolder new
Desktop hello.txt
In.txt inclass2.class
                                                assignment1.txt sum2.java
                                                output
                                                                             hello.java
Downloads
                                                array.h
hardlink.txt student.class
newmv.txt inclass2.java
labb.java Pictures
                                                a1.c
                                                                             hello
                                               a1.out
                                                                             typescript
Documents
labb.class application.class Array.h
he inclass.class A1.c
cpy.txt inclass.iava
                                                                             Videos
                                                                             snap
Music
cpy.txt inclass.java hello.c
remve.txt assig_1_5.txt sum2.class
mv.txt assig_1_4.txt Employee.class
rmdir.txt assig_1_3.txt sum1.class
cp.txt assignment_part2.txt EB.class
                                                                              Public
                                                                            Templates
examples.desktop
```

Description:-I is used for long listing format, ".*" is used to display all hidden files, -R is used to list subdirectories recursively, -t is used to sort by time

Filesystem

- a) Move to your Root directory.

 dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cd /
- b) Check the system files present in the Root directory.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:/\$ Is

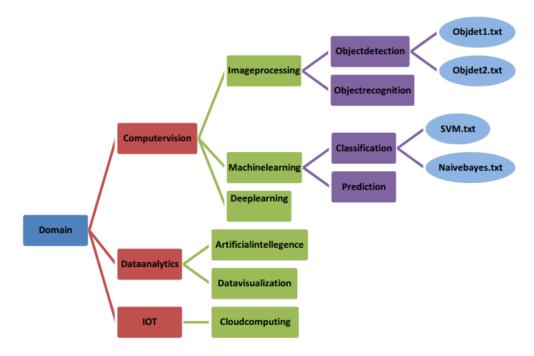
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:/\$ ls
bin dev initrd.img lib64 mnt root snap sys var
boot etc initrd.img.old lost+found opt run srv tmp vmlinuz
cdrom home lib media proc sbin swapfile usr vmlinuz.old

- c) Display your home directory? dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:/\$ Is home dikshitha
- d) Move to your home directory.dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:/\$ cd ~
- e) Create a directory myfolder in your home.

 dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ mkdir

 myfolder
- f) Move to myfolder dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cd myfolder

g) In myfolder, create the following directory structure. Check with tree.



dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder\$ mkdir Domain

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder\$ cd Domain

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ mkdir Computervision Dataanalytics IOT

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ cd Computervision

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision\$ mkdir Imageprocessing Machinelearning Deeplearning

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision\$ cd Imageprocessing

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Imageprocessing\$ mkdir Objectdetection Objectrecognition

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Imageprocessing\$ cd Objectdetection

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Imageprocessing/Objectdetection\$ touch Objdet1.txt
Objdet2.txt

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Imageprocessing/Objdetectiong\$ cd ../..

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision\$ cd Machinelearning

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning\$ mkdir Classification Prediction

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning\$ cd Classification

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Classification\$ touch SVM.txt Naivebayes.txt

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Classification\$ cd ../../..

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ cd Dataanalytics

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Dat aanalytics\$ mkdir Artificialintelligence Datavisualisation

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Dat aanalytics\$ cd ..

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ cd IOT

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT \$ mkdir Cloudcomputing

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT\$ cd

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$

Move to Classification Directory using absolute path.
dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Classification

Move to Prediction Directory using relative path dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Classification\$cd ../Prediction

Move to myfolder

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Prediction\$ cd ../../..

rmdir

Description: Removes directories

Create a file cloud1.txt in Cloudcomputing.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cd /home/dikshitha/myfolder/Domain/IOT/Cloudcomputing

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT/Cloudcomputing\$ touch cloud1.txtcomputing

Remove directory Cloudcomputing

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT \$ rmdir Cloudcomputing

rmdir: failed to remove 'Cloudcomputing': Directory not empty

What should you do to Remove the Cloudcomputing?

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT \$ cd Cloudcomputing

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT/Cloudcomputing\$ rm cloud1.txt

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT/Cloudcomputing\$ cd ..

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/IOT \$ rmdir Cloudcomputing

Ср

Description: Copies directories to different location

oCopy the directory Classification along with its files in the Dataanalytics directory.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning\$ cp -r Classification ~/myfolder/Dataanalytics

oList the contents of Svm.txt present in the Dataanalytics directory

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/Computervision/Machinelearning/Classification\$ cat SVM.txt

oList the content of the directory Domain using Recursive list option

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Computervi sion/Machinelearning/Classification\$ cd ../../..

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ Is -R

.:

Domain

./Domain:

Computervision Dataanalytics IOT

./Domain/Computervision:

DeepLearning Imageprocessing Machinelearning

./Domain/Computervision/DeepLearning:

./Domain/Computervision/Imageprocessing:

Objectdetection Objectrecognition

./Domain/Computervision/Imageprocessing/Objectdetection:

Objdet1.txt Objdet2.txt

./Domain/Computervision/Imageprocessing/Objectrecognition:

./Domain/Computervision/Machinelearning:

Classification Prediction

./Domain/Computervision/Machinelearning/Classification:

Naivebayes.txt SVM.txt

./Domain/Computervision/Machinelearning/Prediction:

./Domain/Dataanalytics:

Artificialintelligence Classification Datavisualisation

./Domain/Data analytics/Artificial intelligence:./Domain/Data analytics/Classification

:

Naivebayes.txt SVM.txt

./Domain/Dataanalytics/Datavisualisation:

./Domain/IOT:

mv:

Description: Moves directories and also used to rename files within the same directory.

Rename Computervision to CV, and Dataanalytics to DA.
 dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~\$ cd
 myfolder/Domain

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ mv Computervision CV

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ mv Dataanalytics DA

o Move the available two files of Objectdetection directory to Objectrecognition

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/CV/Image processing/Objectdetection/objdet1.txt ~/myfolder/CV/Imageprocessing/Objectrecognition

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/CV/Image processing/Objectdetection\$ mv Objdet2.txt ~/myfolder/CV/Imageprocessing/Objectrecognition

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/CV/Image processing/Objectdetection\$ Is (has no files)

Showing that Objectrecognition has the files now!!

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/CV/Image processing\$ cd Objectrecognition

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/CV/Image processing/Objectrecognition\$ Is

Objdet1.txt Objdet2.txt

rm

Description:Removes files

o Remove the files from classification directory available in Dataanalytics.

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ rm *.txt

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ Is

(no files, so prints an empty line)

In

Description: Used to make links between files

- Create a hard link for the file Svm.txt dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ In SVM.txt hardlink.txt
- Show the inode number for both the original file and the hard link dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ Is -Ii SVM.txt hardlink.txt

.txt

6031307 -rw-rw-r-- 2 dikshitha dikshitha 0 sep 26 15:28 hardlink.txt 6031307 -rw-rw-r-- 2 dikshitha dikshitha 0 sep 26 15:28 SVM.txt

 Remove the file and check if the link is deleted dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ rm SVM.txt

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain/DA/Class ification\$ Is -li hardlink.txt

6031307 -rw-rw-r-- 2 dikshitha dikshitha 0 sep 26 15:28 hardlink.txt

oCreate a hard link for the directory DA, OOPS!!! Not able to create hard link!! Why? -> Not possible as it disrupts the file structure dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ In DA directory

In: DA: hard link not allowed for directory

Create a soft link for the directory DA

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ In -s DA directory

 Show the inode number for both the original file and the shortcut dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ Is -Ii DA directory

5904194 Irwxrwxrwx 1 dikshitha dikshitha 2 sep 26 15:07 directory -> DA

DA:

total 12

6031192 drwxrwxr-x 2 dikshitha dikshitha 2 dikshitha dikshitha 4096 sep 21 20:35 Artificialintelligence

6031189 drwxrwxr-x 2 dikshitha dikshitha 2 dikshitha dikshitha 4096 sep 21 20:35 Artificialintelligence

6031319 drwxrwxr-x 2 dikshitha dikshitha 2 dikshitha dikshitha 4096 sep 21 20:35 Artificialintelligence

o Remove the directory DA

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ rm -r DA

o Check that the shortcut has become dangling link!!

dikshitha@dikshitha-Lenovo-IdeaPad-S540-15IML-D:~/myfolder/Domain\$ Is -li directory

5904194 Irwxrwxrwx 1 dikshitha dikshitha 2 sep 26 15:07 directory -> DA