

Linux Essentials Workshop-2

Clarusway



Subject: Linux Basic Shell Commands

Learning Goals

•Practice using the linux basic shell commands.

Introduction

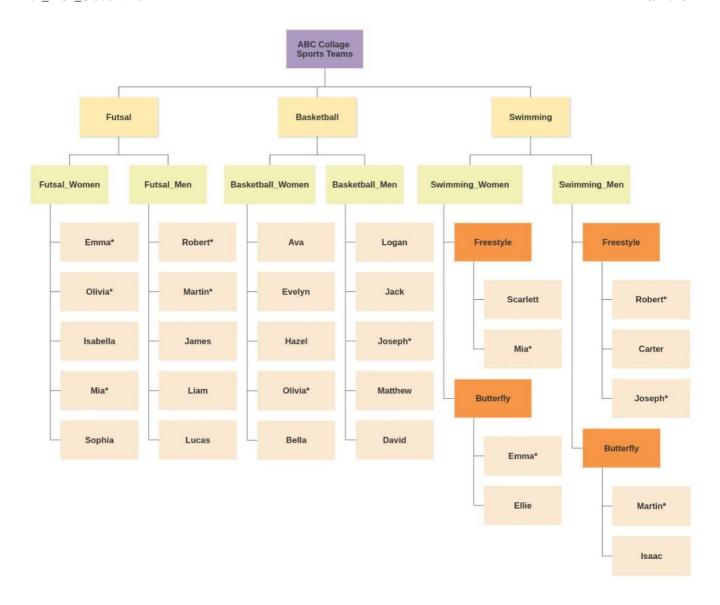
We've covered a lot of Linux concepts, but now it's time to put the concepts in to practice. We'll start with basic shell commands.

Practice Using the Bash Shell in Lesson

You might notice a few new things in this lesson that you haven't encountered before. We'll walk you through them.

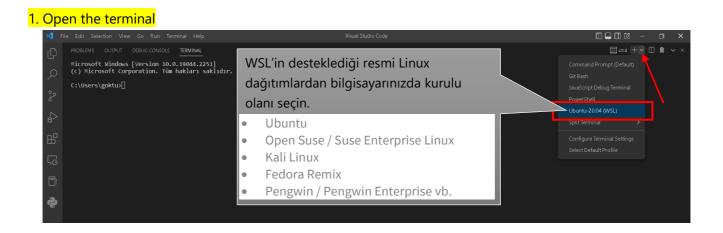
Coding Challenge's Story

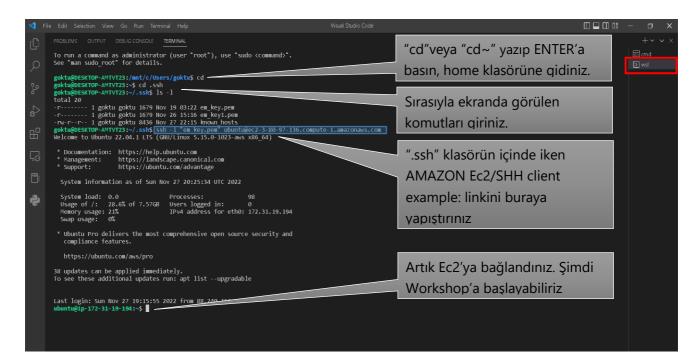
A college named ABC in the USA has sport teams. The college administrators want to arrange their students who do sports in teams in a file hierarchy. The administration couldn't solve this problem and they came to you because you are an IT specialist. The college has three sport teams. Each team is divided into men and women. However, they want only administrators to have access to some students' private information.



Code Along

Part 1 - Basic Commands 1/2





2. To know which directory you are in, you can use the "pwd" command. ubuntu@ip-172-31-19-194:~\$

pwd

/home/ubuntu

3. Create a directory named "ABC_College" in user's home directory. ubuntu@ip-172-31-19-194:~\$ mkdir ABC_College

4. Go into "ABC_College" directory. ubuntu@ip-172-31-19-194:~\$ cd ABC_College

5. List all the files/folders with details in ABC_College directory.

ubuntu@ip-172-31-19-194:~/ABC_College\$

ls -l_____

total 0

6. Create folders named "Futsal", "Basketball" and "Swimming". ubuntu@ip-172-31-19-194:~/ABC_College\$ mkdir Futsal Basketball Swimming

7. Go into "Futsal" directory and list content of the directory with details and hidden files. ubuntu@ip-172-31-19-194:~/ABC_College\$

cd Futsal; ls -al

total 8

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:24

drwxrwxr-x 5 ubuntu ubuntu 4096 Nov 27 21:24 .

8. Create folders named "Futsal Women" and "Futsal Men after that list the content of "Futsal".

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal\$

mkdir Futsal_Women Futsal_Men; ls

Futsal_Men Futsal_Women

9. Go into "Basketball" directory from inside "Futsal" directory and list content of "Basketball" directory with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball\$

cd ../Basketball; ls -al

total 8

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:24

drwxrwxr-x 5 ubuntu ubuntu 4096 Nov 27 21:24 ..

10. Create folders named "Basketball_Women" and "Basketball_Men after that list the content of "Basketball".

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball\$

mkdir Basketball_Women Basketball_Men; ls -l

total 8

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:42 Basketball Men

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:42 Basketball_Women

11. Go into "Swimming" directory from inside "Basketball" directory and list content of "Swimming" directory with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball\$

cd ../Swimming; Is -al

total 8

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:24 .

drwxrwxr-x 5 ubuntu ubuntu 4096 Nov 27 21:24 ..

12. Create folders named "Swimming_Women" and "Swimming_Men after that list the content of "Swimming".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming\$

mkdir Swimming_Women Swimming_Men; ls -l

total 8

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:46 Swimming_Men

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 21:46 Swimming Women

13. Print and check the path of the directory you are in.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming\$

pwd

/home/ubuntu/ABC_College/Swimming

14. Go into "Swimming_Women" directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming\$

cd Swimming_Women

15. Create folders named "Freestyle" and "Butterfly" in "Swimming_Women".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women\$

mkdir Freestyle Butterfly

16. Go into "Swimming_Men" directory from inside "Swimming_Women" directory.

17. Create folders named "Freestyle" and "Butterfly" in "Swimming_Men".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women\$

cd ../Swimming_Men && mkdir Freestyle Butterfly cd ../Swimming_Men; mkdir Freestyle Butterfly

Both are the same commands. You may choose one.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men\$

Butterfly Freestyle

18. Go into "Futsal_Women" directory again from inside "Swimming_Men" directory and list the content of "Futsal_Women".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men\$

cd ../../Futsal/Futsal_Women; ls -l

total 0

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$
pwd

/home/ubuntu/ABC_College/Futsal/Futsal_Women

19. Create 5 files named "Emma", "Olivia", "Isabella", "Mia", "Sophia" inside "Futsal_Women".

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

touch Emma Olivia Isabella Mia Sophia

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

Emma Isabella Mia Olivia Sophia

20. Write the students' informations using "echo" command into the files according to the table given below

| Student Name | Information |
|-----------------------|--------------------|
| <mark>Emma</mark> | Futsal_Goalkeeper |
| <u>Olivia</u> | Futsal_Defender |
| <mark>Isabella</mark> | Futsal_Winger |
| Mia | Futsal_Winger |
| Sophia | Futsal_Pivot |

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

echo "Futsal_Goalkeeper" > Emma; cat Emma

Futsal_Goalkeeper

ubuntu@ip-172-31-19-194:~/ABC College/Futsal/Futsal Women\$

echo "Futsal_Defender" > Olivia; cat Olivia

Futsal Defender

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

echo "Futsal_Winger" > Isabella ; cat Isabella

Futsal_Winger

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

echo "Futsal_Winger" > Mia; cat Mia

Futsal_Winger

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

echo "Futsal_Pivot" > Sophia; cat Sophia

Futsal_Pivot

21. Isabella's information is read and write (rw-) only the user and user's group (not the others).

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

chmod 660 Isabella; Is -I

total 16

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 27 22:49 Emma

-rw-rw---- 1 ubuntu ubuntu 0 Nov 27 22:55 Isabella

-rw-rw-r-- 1 ubuntu ubuntu 14 Nov 27 22:55 Mia

-rw-rw-r-- 1 ubuntu ubuntu 16 Nov 27 22:51 Olivia

-rw-rw-r-- 1 ubuntu ubuntu 13 Nov 27 22:57 Sophia

22. Go into "Futsal_Men" directory and list the content of it.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

cd ../Futsal_Men; Is -I

total 0

23. Create 5 files named "Robert", "Martin", "James", "Liam", "Lucas" inside "Futsal Men".

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

touch Robert Martin James Liam Lucas: Is

James Liam Lucas Martin Robert

24. Write the students' informations using "vim" command into the files according to the table given below

| Student Name | Information |
|--------------------|--------------------|
| Robert | Futsal_Goalkeeper |
| Martin Martin | Futsal_Defender |
| <mark>James</mark> | Futsal_Winger |
| <u>Liam</u> | Futsal_Winger |
| Lucas | Futsal_Pivot |

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

vim Robert; cat Robert

Futsal_Goalkeeper

ubuntu@ip-172-31-19-194:~/ABC College/Futsal/Futsal Men\$

vim Martin; cat Martin

Futsal Defender

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

vim James; cat James

Futsal_Winger

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

vim Liam; cat Liam

Futsal Winger

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

vim Lucas; cat Lucas

Futsal_Pivot

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

25. Martin's information is read and write (rw-) only the user (not the groups and the others).

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

chmod 600 Martin; Is -I

total 20

-rw-rw-r-- 1 ubuntu ubuntu 14 Nov 27 23:19 James

-rw-rw-r-- 1 ubuntu ubuntu 14 Nov 27 23:19 Liam

-rw-rw-r-- 1 ubuntu ubuntu 13 Nov 27 23:20 Lucas

-rw----- 1 ubuntu ubuntu 16 Nov 27 23:18 Martin

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 27 23:17 Robert

26. Go into "Basketball_Women" directory again from inside "Futsal_Men" directory and list the content of "Basketball Women".

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

cd ../../Basketball/Basketball_Women && Is -I

total 0

27. Create 4 files named "Ava", "Evelyn", "Hazel", "Bella" inside "Basketball_Women".

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

touch Ava Evelyn Hazel Belle; Is

Ava Belle Evelyn Hazel

28. Write the students' informations using "nano" command into the files according to the table given below

| Student Name | <u>Information</u> |
|---------------------|---------------------------|
| <mark>Ava</mark> | Basketball_Point-Guard |
| <mark>Evelyn</mark> | Basketball_Shooting-Guard |
| Hazel | Basketball_Center |
| Bella | Basketball_Small-Forward |

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

nano Evelyn ; cat Evelyn

Basketball Shooting-Guard

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

nano Hazel; cat Hazel

Basketball Center

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

nano Belle; cat Belle

Basketball_Small-Forward

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

29. Olivia plays in two teams Futsall and Basketball. Append "Basketball_Power-Forward" line into Olivia'sinformation file inside "Futsal_Women" without overwrite using echo command and absolute path. ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

echo "Basketball_Power-Forward" >> ~/ABC_College/Futsal/Futsal_Women/Olivia

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

cat ../../Futsal/Futsal_Women/Olivia

Futsal_Defender

Basketball_Power-Forward

30. Get Olivia's information file from inside "Futsal_Women" directory using "cp" command and relative path. ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

cp ../../Futsal/Futsal_Women/Olivia ./; ls

Ava Belle Evelyn Hazel <mark>Olivia</mark>

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$ cat Olivia

Futsal_Defender

Basketball_Power-Forward

31. List the content of current directory with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

ls -al

total 28

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 27 23:57 .

drwxrwxr-x 4 ubuntu ubuntu 4096 Nov 27 21:42 .

-rw-rw-r-- 1 ubuntu ubuntu 23 Nov 27 23:35 Ava

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 27 23:37 Belle

-rw-rw-r-- 1 ubuntu ubuntu 26 Nov 27 23:36 Evelyn

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 27 23:36 Hazel

-rw-rw-r-- 1 ubuntu ubuntu 41 Nov 27 23:57 Olivia

32. Go into "Basketball Men" directory using "~" (tilde).

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

cd ~/ABC_College/Basketball/Basketball_Men; pwd

/home/ubuntu/ABC_College/Basketball/Basketball_Men

33. Create 5 files named "Logan", "Jack", "Joseph", "Matthew", "David" inside "Basketball_Men".

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

touch Logan Jack Joseph Matthew David; Is

David Jack Joseph Logan Matthew

34. Write the students' informations using "echo" command into the files according to the table given below

| Student Name | Information |
|---------------------|---------------------------|
| <mark>Logan</mark> | Basketball_Point-Guard |
| <mark>Jack</mark> | Basketball_Shooting-Guard |
| <mark>Joseph</mark> | Basketball_Center |
| Matthew | Basketball_Power-Forward |
| David | Basketball_Small-Forward |

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

echo "Basketball_Point-Guard" > Logan ; cat Logan

Basketball Point-Guard

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

echo "Basketball_Shooting-Guard" > Jack; cat Jack

Basketball_Shooting-Guard

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

echo "Basketball_Center" > Joseph; cat Joseph

Basketball Center

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

echo "Basketball_Power-Forward" > Matthew; cat Matthew

Basketball_Power-Forward

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

echo "Basketball_Small-Forward" > David ; cat David

Basketball Small-Forward

35. List the content of current directory with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

ls -al

total 28

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 28 00:16 .

drwxrwxr-x 4 ubuntu ubuntu 4096 Nov 27 21:42 ..

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 28 00:20 David

-rw-rw-r-- 1 ubuntu ubuntu 26 Nov 28 00:19 Jack

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 28 00:19 Joseph

-rw-rw-r-- 1 ubuntu ubuntu 23 Nov 28 00:18 Logan

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 28 00:20 Matthew

36. David's information is read-only (r--) for everyone.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

chmod 444 David; Is -I

total 20

-r--r--r-- 1 ubuntu ubuntu 25 Nov 28 00:20 David

-rw-rw-r-- 1 ubuntu ubuntu 26 Nov 28 00:19 Jack

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 28 00:19 Joseph

-rw-rw-r-- 1 ubuntu ubuntu 23 Nov 28 00:18 Logan

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 28 00:20 Matthew

37. Go into "Swimming_Women/Freestyle" directory using relative path.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Men\$

cd ../../Swimming/Swimming_Women/Freestyle; pwd

/home/ubuntu/ABC_College/Swimming/Swimming_Women/Freestyle

38. Create a file named "Scarlett" and write "Swimming_Freestyle" into the file.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Freestyle\$

echo "Swimming_Freestyle" > Scarlet; ls; cat Scarlet

Scarlet

Swimming_Freestyle

39. Mia plays in two teams Futsall and Swimming. Append "Swimming_Freestyle" line into Mia's informationfile inside "Futsal_Women" without overwrite using echo command and absolute path. ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Freestyle\$ echo "Swimming_Freestyle" >> ~/ABC_College/Futsal/Futsal_Women/Mia; cat ~/ABC_College/Futsal/Futsal_Women/Mia

Futsal_Winger

Swimming_Freestyle

40. Get Mia's information file from inside "Futsal_Women" directory using "cp" command and absolute path.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Freestyle\$ cp

~/ABC_College/Futsal/Futsal_Women/Mia ./ ; ls

Mia Scarlet

41. Go into "Butterfly" directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Freestyle\$

cd ../Butterfly/

42. Create a file named "Ellie" and write "Swimming_Butterfly" into the file.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Butterfly\$

echo "Swimming_Buterfly" > Ellie; ls; cat Ellie

Ellie

Swimming_Buterfly

Emma plays in two teams Futsall and Swimming. Append "Swimming_Butterfly" line into Emma's information file inside "Futsal_Women" without overwrite using echo command and absolute path. ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Butterfly\$ echo "Swimming_Butterfly" >> ~/ABC_College/Futsal/Futsal_Women/Emma

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Butterfly\$ cat ~/ABC_College/Futsal/Futsal_Women/Emma

Futsal_Goalkeeper Swimming_Butterfly

43. Get Emma's information file from inside "Futsal_Women" directory using "cp" command and absolutepath.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Butterfly\$

cp ~/ABC_College/Futsal/Futsal_Women/Emma ./ ; ls

Ellie Emma

44. Go into "Swimmming_Men/Freestyle" directory using relative path.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Women/Butterfly\$

cd .././Swimming_Men/Freestyle

45. Create a file named "Carter" using only "echo" command and write into the file "Swimming_Freestyle".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$

echo "Swimming_Freestyle" > Carter; ls; cat Carter

Carter

Swimming_Freestyle

46. Robert in Futsal and Joseph in Basketball play in Swimming Team also. Append "Swimming_Freestyle" line into the information files inside "Futsal_Men" and "Basketball_Men" without overwrite using echo command and absolute path.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
echo "Swimming_Freestyle" >> ~/ABC_College/Futsal/Futsal_Men/Robert
ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
cat ~/ABC_College/Futsal/Futsal_Men/Robert

Futsal_Goalkeeper

Swimming_Freestyle

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
echo "Swimming_Freestyle" >> ~/ABC_College/Basketball/Basketball_Men/Joseph
ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
cat ~/ABC_College/Basketball/Basketball_Men/Joseph

Basketball_Center

Swimming_Freestyle

47. Get Robert and Joseph's information file from inside "Futsal_Men" and "Basketball_Men" directories using "cp" command and absolute path.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
cp ~/ABC_College/Futsal/Futsal_Men/Robert ./

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$
cp ~/ABC_College/Basketball/Basketball_Men/Joseph ./

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$ ls -l

total 12

-rw-rw-r-- 1 ubuntu ubuntu 19 Nov 28 09:22 Carter

-rw-rw-r-- 1 ubuntu ubuntu 37 Nov 28 15:48 Joseph

-rw-rw-r-- 1 ubuntu ubuntu 37 Nov 28 15:47 Robert

48. Go into "Swimmming_Men/Butterfly" directory using relative path.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Freestyle\$

cd ../Butterfly

49. Create a file named "Isaac" using echo command and write into the file "Swimming_Butterfly".

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Butterfly\$

echo "Swimming_Butterfly" > Isaac ; cat Isaac

Swimming_Butterfly

50. Isaac's information is read, write and executable (rwx) for only the group.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Butterfly\$

chmod 070 Isaac; Is -I

total 4

----rwx--- 1 ubuntu ubuntu 19 Nov 28 15:54 Isaac

51. Martin plays in two teams Futsall and Swimming. Append "Swimming_Butterfly" line into Martin's information file inside "Futsal_Men" without overwrite using echo command and absolute path. ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Butterfly\$ echo "Swimming_Butterfly" >> ~/ABC_College/Futsal/Futsal_Men/Martin; cat ~/ABC_College/Futsal/Futsal_Men/Martin

Futsal_Defender

Swimming_Butterfly

52. Get Martin's information file from inside "Futsal_Men" directory using "cp" command and relative path. ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Butterfly\$ cp ~/ABC_College/Futsal/Futsal_Men/Martin ./ ; ls -l

total 8

----rwx--- 1 ubuntu ubuntu 19 Nov 28 15:54 Isaac -rw------ 1 ubuntu ubuntu 35 Nov 28 16:07 Martin

53. Go into ABC_College directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Swimming/Swimming_Men/Butterfly\$

cd ~/ABC_College/

54. Install "tree" command via packet manager. Regired code is below.

For Ubuntu:

```
sudo apt update
sudo apt install tree -v
```

For centOS:

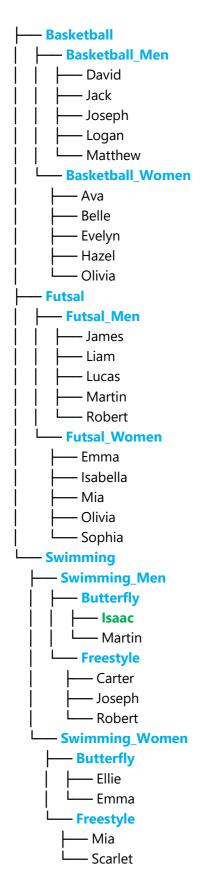
```
sudo yum update
sudo yum install tree -v
```

55. Run the command below.

tree

ubuntu@ip-172-31-19-194:~/ABC_College\$

tree



13 directories, 29 files

Part 2 - Basic Commands 2/2

1. The administration reported that Sophia in Futsal Women's Team left from the team. Go into the "Futsal_Women" directory and remove Sofia from there.

ubuntu@ip-172-31-19-194:~/ABC_College\$

rm ~/ABC_College/Futsal/Futsal_Women/Sophia

2. The administration reported that Mia in Futsal Women's Team left from the team and she joined BasketballWomen's team. Move Mia's file into "Basketball_Women" directory.

ubuntu@ip-172-31-19-194:~/ABC_College\$

mv ~/ABC_College/Futsal/Futsal_Women/Mia ~/ABC_College/Basketball/Basketball_Women/

3. Go into Basketball_Women directory and list content of it with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College\$

cd ~/ABC_College/Basketball/Basketball_Women; ls -al

total 32

drwxrwxr-x 2 ubuntu ubuntu 4096 Dec 3 20:36 .

drwxrwxr-x 4 ubuntu ubuntu 4096 Nov 27 21:42 ..

-rw-rw-r-- 1 ubuntu ubuntu 23 Nov 27 23:35 Ava

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 27 23:37 Belle

-rw-rw-r-- 1 ubuntu ubuntu 26 Nov 27 23:36 Evelyn

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 27 23:36 Hazel

-rw-rw-r-- 1 ubuntu ubuntu 33 Nov 28 08:52 Mia

-rw-rw-r-- 1 ubuntu ubuntu 41 Nov 27 23:57 Olivia

4. Change the content of Mia's file by adding "Basketball_Small-Forward" and removing "Futsal_Winger" using vim editor.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

vim Mia ; cat Mia

Swimming_Freestyle

Basketball Small-Forward

5. Print working directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$
pwd

/home/ubuntu/ABC_College/Basketball/Basketball_Women

6. Move Ellie from Swimming Team to Futsal Women team as Futsal Winger without left current directory and use absolute paths.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

mv ~/ABC_College/Swimming/Swimming_Women/Butterfly/Ellie ~/ABC_College/Futsal/Futsal_Women

7. Go into "Futsal_Women" directory using relative path.

ubuntu@ip-172-31-19-194:~/ABC College/Basketball/Basketball Women\$

cd ../../Futsal/Futsal_Women/; pwd

/home/ubuntu/ABC College/Futsal/Futsal Women

8. Change the content of Ellie's file by adding "Futsal_Winger" and removing "Swimming_Butterfly" using nanoeditor.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

nano Ellie; cat Ellie

Futsal_Winger

9. Scarlett in Swimming Team wants to play Futsal as a Pivot also. You append "Futsal_Pivot" into Scarlett's file using echo command.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

echo "Futsal_Pivot" >> ~/ABC_College/Swimming/Swimming_Women/Freestyle/Scarlet

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

cat ~/ABC_College/Swimming/Swimming_Women/Freestyle/Scarlet

Swimming_Freestyle

Futsal_Pivot

10. Copy Scarlett's file into "Futsal_Women" directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$

cp ~/ABC_College/Swimming/Swimming_Women/Freestyle/Scarlet ./; ls

Ellie Emma Isabella Olivia Scarlet

11. Reach Martin's file in Futsal Men and read it.

ubuntu@ip-172-31-19-194:~/ABC College/Futsal/Futsal Women\$

cat ../Futsal Men/Martin

Futsal Defender

Swimming_Butterfly

12. Go into Futsal_Men directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Women\$
cd ../Futsal_Men/

13. Print working directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$
pwd

/home/ubuntu/ABC_College/Futsal/Futsal_Men

14. List students in Futsal Men Team whose names begin with the letter "L".

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal_Men\$

ls L*

Liam Lucas

15. List students in Futsal Men Team who have the letter "m" in their name.

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men\$

Is *m* *M*

James Liam Martin

```
16. Go into "Basketball_Women" directory using ~ (tilde).

ubuntu@ip-172-31-19-194:~/ABC_College/Futsal/Futsal_Men$

cd ~/ABC_College/Basketball/Basketball_Women/
```

16. You noticed that you wrote the name of Eve in the basketball team as Ava. Correct the name of Eve. ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$
mv Ava Eve; Is

Belle Eve Evelyn Hazel Mia Olivia

17. List the content of current directory with details and hidden files.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

ls -al

total 32

drwxrwxr-x 2 ubuntu ubuntu 4096 Dec 3 21:37 .

drwxrwxr-x 4 ubuntu ubuntu 4096 Nov 27 21:42 ..

-rw-rw-r-- 1 ubuntu ubuntu 25 Nov 27 23:37 Belle

-rw-rw-r-- 1 ubuntu ubuntu 23 Nov 27 23:35 Eve

-rw-rw-r-- 1 ubuntu ubuntu 26 Nov 27 23:36 Evelyn

-rw-rw-r-- 1 ubuntu ubuntu 18 Nov 27 23:36 Hazel

-rw-rw-r-- 1 ubuntu ubuntu 44 Dec 3 20:41 Mia

-rw-rw-r-- 1 ubuntu ubuntu 41 Nov 27 23:57 Olivia

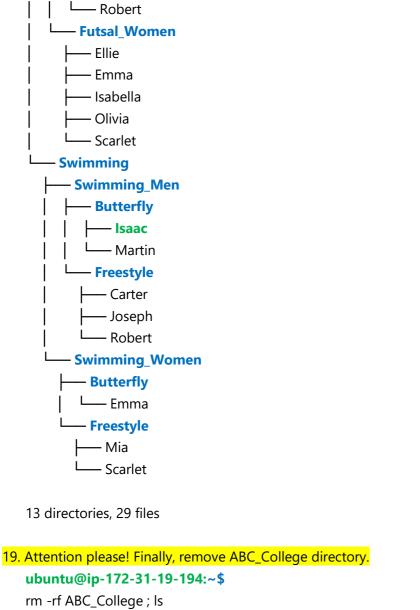
18. Use tree command in ABC_College directory.

ubuntu@ip-172-31-19-194:~/ABC_College/Basketball/Basketball_Women\$

tree ~/ABC College/

/home/ubuntu/ABC College/

| Basketball |
|------------------|
| Basketball_Men |
| |
| |
| │ |
| │ |
| │ |
| Basketball_Women |
| ├── Belle |
| Eve |
| Evelyn |
| Hazel |
| |
| │ |
| —— Futsal |
| — Futsal_Men |
| │ |
| |
| Lucas |



20. Exit from the terminal

ubuntu@ip-172-31-19-194:~\$

exit

logout

Connection to ec2-34-224-75-90.compute-1.amazonaws.com closed.

③ Thanks for Attending △

Clarusway

