# In Class Exercise

# CMSC104 sec301

**Use class web page to get help with UNIX commands**

1. Log into `gl.umbc.edu`

2. Use `pwd` command to identify directory that you are currently in

   Use line below to write down what you see

   _____

3. Use `ls` command to check out the content of the current directory

   - Use `ls -l` command to get detailed information about the content of the

     directory. Note `drwxr-xr-x` . `d` stands for directory.

   - How many directories do you have?

     _____

   - List them

     _____

     _____

     _____

4. Create a directory called `CMSC104` (use `mkdir` command )

5. Enter into the directory that you just created (use `cd` command).

6. Use `pwd` command to verify the you are in `CMSC104`

   Use line below to write down what you see

   _____

7. Use **ls** command to check out the content of **CMSC104**directory (not it should be empty)

8. Create a directory called **exercise1**

9. Create a directory called **exercise2**

10. Again use **ls** command to check out the content of **CMSC104** directory (now you should see some content)

      Use line below to write down names of files and directories

      (files)_____

      (directories)_____

11. Enter into the directory **exercise1** (use **cd** command)

12. Use **pwd** command to identify directory that you are currently in

      Use line below to write down what you see

      _____

13. Go back to directory **CMSC104** (use **cd ..** command).

14. Use **pwd** command to identify directory that you are currently in

      Use line below to write down what you see

      _____

15. Again use **ls -l** command to check out the content current directory

      Use line below to write down names of files and directories

      (files)_____

      (directories)_____

16. Enter into the directory **exercise2**

17. Use **pwd** command to identify directory that you are currently in

Use line below to write down what you see

_____

18. Go to your home directory (type **cd** ).

   Give full path name of your home directory

   _____

19. Again use **ls -l** command to check out the content current directory

   Use line below to write down names of files and directories

   (files)_____

   (directories)_____

20. Go into **CMSC104** directory (use **cd** command)

21. Delete directory called **exercise2** (use **rmdir** command).

22. Again use **ls -l** command to check out the content current directory

   Use line below to write down names of files and directories

   _____

23. Go into **exercise1** directory

24. Inside **exercise1** directory create a file and name it **hope.txt** (use

   **touch** command)

25. Again use **ls -l** command to check out the content current directory

   Use line below to write down names of files and directories

   _____

   How many files do you have _____

   How many directories do you have _____

26. Use **more** command to read the content of the file

Use line below to write down what you see

_____

27. Open file **hope.txt** in emacs

28. Type in 2 sentences on two separate lines

I hope I get an A in cmsc104.

I will work hard to get a good grade on Exam1.

29. Save the file and exit emacs

30. Use **more** command to read the content of the file

Use line below to write down what you see

_____

31. Use **pwd** command to identify directory that you are currently in

Use line below to write down what you see

_____

32. Rename the file **hope.txt** into **myHope.txt** (use **mv** command )

33. Inside **exercise1** directory create a file and name it **toDoList.txt** (use

**touch** command)

34. Again use **ls -l** command to check out the content current directory

Use line below to write down names of files and directories

_____

How many files do you have _____

How many directories do you have _____

35. Open file **toDoList.txt** in emacs

36. Type in 2 sentences on two separate lines

     Exam 1 is  15% of my grade.

     Exam1 is on Oct 14th in room ACVI006.

37. Save the file and exit emacs

38. Use **more** command to read the content of **toDoList.txt**

39. Copy the **toDoList.txt** content into a file called **exam1Info.txt** (use **cp**
    command )

40. Again use **ls -l** command to check out the content current directory

     Use line below to write down names of files and directories

     _____

     How many files do you have ____

41. Use **more** command to read the content **exam1Info.txt**

42. Use **more** command to read the content of **toDoList.txt**

43. Open file **exam1Info.txt** in emacs. Add the following 2 lines.

     Sample questions will be available on the class webpage on Mon.

     Commands that we use during the exercise will be part of Exam1

44. Use **more** command to read the content **exam1Info.txt**

45. Use **more** command to read the content of **toDoList.txt**

46. Open file **toDoList.txt** in emacs  delete the content and add  the following

     Reed lectures  L1- L8

     Look at homework 1,2,3

     Answer every question form the sample question list.

47. Save the file and exit emacs

48. Use **more** command to read the content of **toDoList.txt**

49. Use **more** command to read the content **exam1Info.txt**

50. Rename the file **toDoList.txt** into **exam1-toDo.txt** (use **mv** command )

51. List all file that have **exam1** as part of their name (use **ls** command  and a

   *wildcard character  *  * )

        What is the command that you used?

        _____

        What are the files that you have found?

        _____

52. List all the files that have a **.txt** files *extension*

        What is the command that you used?

        _____

        What are the files that you have found?

        _____

53. Use **more** command to read the content **hope.txt**

54. Now Lets remove **hope.txt** file (use **rm** command)

55. Again use **ls -l** command to check out the content current directory

        Use line below to write down names of files and directories

        _____

        How many files do you have ____

56.  What happens if you do the flowing:   **more hope.txt**

        _____

57. List all the files that have a **`.txt`** files *extension*

What are the files that you have found?

_____

58. We need to read the content of **`exam1-toDo.txt`** followed by the content of

**`exam1Info.txt`** (use **`cat`** command)

How many sentences did you see? _____

59. We need to read the content of **`exam1Info.txt`** followed by the content of

**`exam1-toDo.txt`** (use **`cat`** command)