

OS Mini Project 1

Implementation of Basic Linux Commands in C.

It is a basic command line interpreter.

List of Commands:

- cd
- ls
- ls -l and ls -color and ls -color
- rmdir
- mkdir
- exit
- pwd
- user

How to run them?

1. cd

`cd directory_name` //For changing your directory to "*directory_name*".

`cd` //For getting back to home directory

`cd ..` // For going one directory back

2. ls

`ls` //For listing all files present in directory.

`ls -l` // It will list all files with details as in Linux.

3. rmdir

`rmdir directory_name` //checks whether the directory is empty or not, if empty removes the directory.

4. mkdir

`mkdir directory_name` //It will make directory with name `directory_name` .

5. exit

`exit` //It will exit the shell.

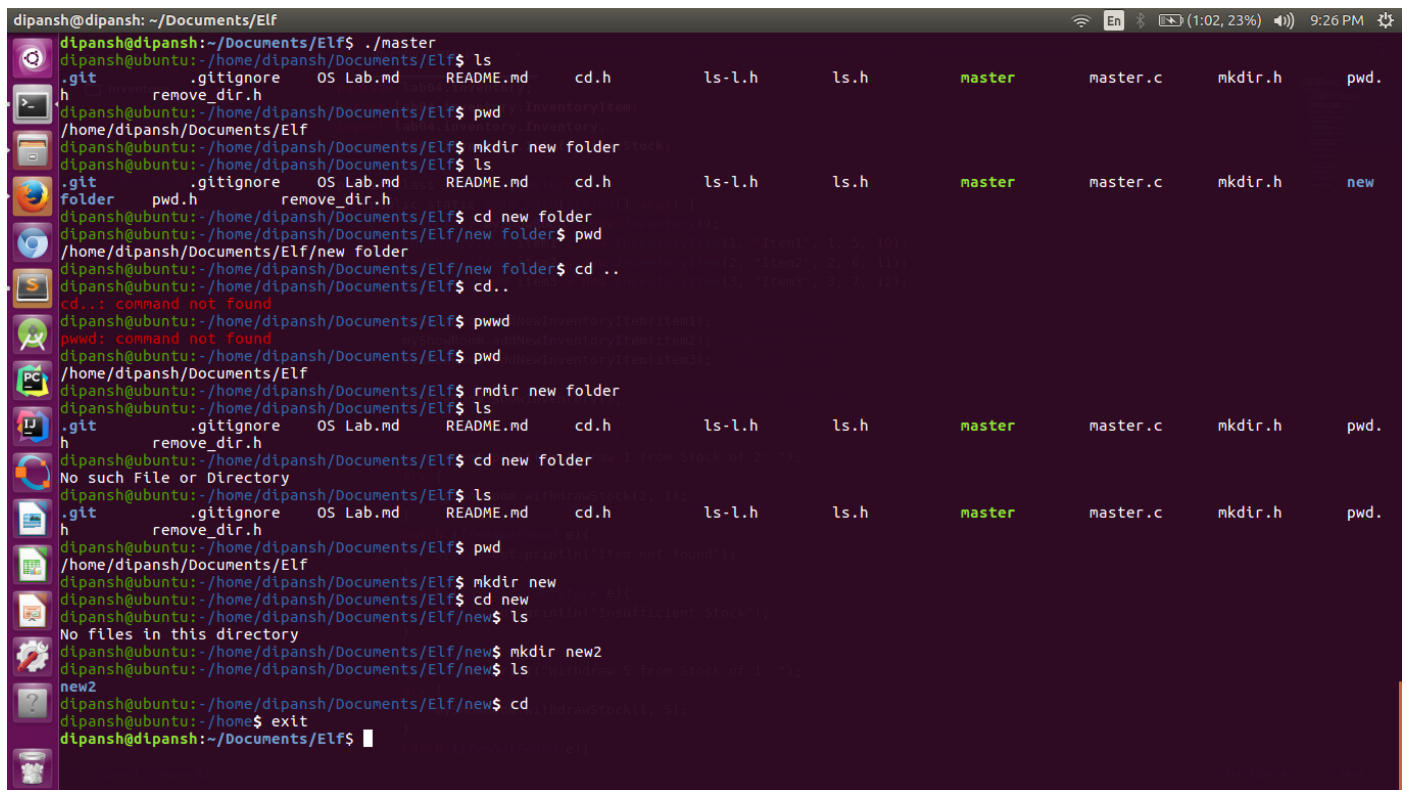
6. pwd

`pwd` //prints the address of current directory.

7. user

user //prints username.

Screenshots:



```
dipansh@dipansh: ~/Documents/Elf
dipansh@dipansh:~/Documents/Elf$ ./master
dipansh@ubuntu:~/Documents/Elf$ ls
.git      .gitignore  OS Lab.md  README.md  cd.h      ls-l.h    ls.h      master    master.c  mkdir.h  pwd.
h        remove_dir.h
dipansh@ubuntu:~/Documents/Elf$ pwd
/home/dipansh/Documents/Elf
dipansh@ubuntu:~/Documents/Elf$ mkdir new folder
dipansh@ubuntu:~/Documents/Elf$ ls
.git      .gitignore  OS Lab.md  README.md  cd.h      ls-l.h    ls.h      master    master.c  mkdir.h  new
folder    pwd.h      remove_dir.h
dipansh@ubuntu:~/Documents/Elf$ cd new folder
dipansh@ubuntu:~/Documents/Elf/new folder$ pwd
/home/dipansh/Documents/Elf/new folder
dipansh@ubuntu:~/Documents/Elf/new folder$ cd ..
dipansh@ubuntu:~/Documents/Elf$ cd..
cd..: command not found
dipansh@ubuntu:~/Documents/Elf$ pwd
/home/dipansh/Documents/Elf
dipansh@ubuntu:~/Documents/Elf$ rmdir new folder
dipansh@ubuntu:~/Documents/Elf$ ls
.git      .gitignore  OS Lab.md  README.md  cd.h      ls-l.h    ls.h      master    master.c  mkdir.h  pwd.
h        remove_dir.h
dipansh@ubuntu:~/Documents/Elf$ cd new folder
No such File or Directory
dipansh@ubuntu:~/Documents/Elf$ ls
.git      .gitignore  OS Lab.md  README.md  cd.h      ls-l.h    ls.h      master    master.c  mkdir.h  pwd.
h        remove_dir.h
dipansh@ubuntu:~/Documents/Elf$ pwd
/home/dipansh/Documents/Elf
dipansh@ubuntu:~/Documents/Elf$ mkdir new
dipansh@ubuntu:~/Documents/Elf$ cd new
dipansh@ubuntu:~/Documents/Elf/new$ ls
No files in this directory
dipansh@ubuntu:~/Documents/Elf/new$ mkdir new2
dipansh@ubuntu:~/Documents/Elf/new$ ls
new2
dipansh@ubuntu:~/Documents/Elf/new$ cd
dipansh@ubuntu:~/Documents/Elf$ exit
dipansh@dipansh:~/Documents/Elf$
```

README Link (for markdown Documentation) : <https://github.com/aashutoshrathi/Elf/blob/master/README.md>

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