# Linux Commands Stats 202A BHARGAV PARSI(804945591)

#### 1) mkdir

```
bhargav265@DESKTOP-HUD7V3B:~$ ls

unixstuff

bhargav265@DESKTOP-HUD7V3B:~$ mkdir sample

bhargav265@DESKTOP-HUD7V3B:~$ ls

sample unixstuff

bhargav265@DESKTOP-HUD7V3B:~$ la -a

. . . .bash_history .bash_logout .bashrc .profile sample unixstuff

bhargav265@DESKTOP-HUD7V3B:~$ ls -a

. . . .bash_history .bash_logout .bashrc .profile sample unixstuff

bhargav265@DESKTOP-HUD7V3B:~$ ls -lrt

total 0

drwxrwxrwx 2 bhargav265 bhargav265 0 Nov 25 21:36 unixstuff

drwxrwxrwx 2 bhargav265 bhargav265 0 Nov 29 10:30 sample

bhargav265@DESKTOP-HUD7V3B:~$
```

## 2) cd

```
bhargav265@DESKTOP-HUD7V3B:~$ ls
bhargav265@DESKTOP-HUD7V3B:~$ mkdir sample
bhargav265@DESKTOP-HUD7V3B:~$ ls
bhargav265@DESKTOP-HUD7V3B:~$ la -a
  ... .bash_history .bash_logout .bashrc
                                             .profile
bhargav265@DESKTOP-HUD7V3B:~$ ls -a
  ... .bash_history .bash_logout .bashrc .profile sample
bhargav265@DESKTOP-HUD7V3B:~$ ls -lrt
total 0
drwxrwxrwx 2 bhargav265 bhargav265 0 Nov 25 21:36 <mark>unixstuff</mark>
drwxrwxrwx 2 bhargav265 bhargav265 0 Nov 29 10:30 sample
bhargav265@DESKTOP-HUD7V3B:~$ cd sample
bhargav265@DESKTOP-HUD7V3B:~/sample$ ls -a
bhargav265@DESKTOP-HUD7V3B:~/sample$ cd .
bhargav265@DESKTOP-HUD7V3B:~/sample$ cd ..
bhargav265@DESKTOP-HUD7V3B:~$ cd unixstuff/
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
         sample.txt
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls -a
                sample.txt
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cd .
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cd ..
bhargav265@DESKTOP-HUD7V3B:~$
```

## 3) Is path

```
bhargav265@DESKTOP-HUD7V3B:~$ ls unixstuff/
backups sample.txt
bhargav265@DESKTOP-HUD7V3B:~$ ls unixstuff/backups/ -a
sample.bak
bhargav265@DESKTOP-HUD7V3B:~$ pwd
/home/bhargav265
bhargav265@DESKTOP-HUD7V3B:~$
bhargav265@DESKTOP-HUD7V3B:~$
bhargav265@DESKTOP-HUD7V3B:~$
```

# 4) copy, move, rmdir

```
bhargav265@DESKTOP-HUD7V3B:∼$ cd unixstuff
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt
cp: missing destination file operand after '/home/bhargav265/sample.txt'
Try 'cp --help' for more information.
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt .
cp: cannot stat '/home/bhargav265/sample.txt': No such file or directory
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt sample2.bak
cp: cannot stat '/home/bhargav265/sample.txt': No such file or directory
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp sample.txt sample2.bak
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls -a
               sample2.bak sample.txt
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ mv sample2.bak backups/.
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls backups
sample2.bak sample.bak
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp sample.txt temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ rm temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ mkdir temp
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ rmdir temp
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

```
ohargav265@DESKTOP-HUD7V3B:~$ cd unixstuff
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt
cp: missing destination file operand after '/home/bhargav265/sample.txt'
Try 'cp --help' for more information.
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt .
cp: cannot stat '/home/bhargav265/sample.txt': No such file or directory
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp ~/sample.txt sample2.bak
cp: cannot stat '/home/bhargav265/sample.txt': No such file or directory
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp sample.txt sample2.bak
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls -a
               sample2.bak sample.txt
phargav265@DESKTOP-HUD7V3B:~/unixstuff$ mv sample2.bak backups/.
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls backups
sample2.bak sample.bak
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ cp sample.txt temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ rm temp.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ mkdir temp
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ rmdir temp
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls
        sample.txt
ohargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

## 5) cat, less, head, tail

bhargav265@DESKTOP-HUD7V3B:~/unixstuff\$ tail -5 sample.txt nearest stations Battle and Polgate. The International Study Centre offers limited accommodation (01323-834444).

## 6) grep

bhargav265@DESKTOP-HUD7V3B:~/unixstuff\$ grep science sample.txt
found new life as a science centres all over Europe arriving to demonstrate
perception, the challenge presented by the encounter of science with a child's
the Exploratory, Britain's first hands-on science centre housed in Temple Meads
"The point about a science centre is that the exhibits should be fun," he said.
making science enjoyable. Both the Exploratory, which attracts 150,000 visitors
attempt at cortex tickling. This time he aims not only to make science
light-sensitive acoustic chimes, its success as a science centre is not in
That's the sort of cortickling thing you learn at science centres - a Swiss
bhargav265@DESKTOP-HUD7V38:~/unixstuff\$ grep Science sample.txt
The Electronic Telegraph Thursday 28 September 1995 Science
But this was Fabricators' Week at the Herstmonceux Science Centre, with
on Science" exhibition, all betray the same puckish outlook.
director, Steve Pizzey, whose Science Projects company devised the exhibits,

\* Herstmonceux Science Centre is open daily 10am-6pm (tel 01323-832731),
bhargav265@DESKTOP-HUD7V38:~/unixstuff\$ grep -i science sample.txt

The Electronic Telegraph Thursday 28 September 1995 Science
found new life as a science centre. Andro Linklater

But this was Fabricators' Week at the Herstmonceux Science Centre, with
exhibitors from science centres all over Europe arriving to demonstrate
perception, the challenge presented by the encounter of science with a child's
the Exploratory, Britain's first hands-on science centre housed in Temple Meads
"The point about a science centre is that the exhibits should be fun." he said.
making science enjoyable. Both the Exploratory, which attracts 150,000 visitors
on Science exhibition, all betray the same puckish outlook.
attempt at cortex tickling. This time he aims not only to make science
light-sensitive acoustic chimes, its success as a science centre is not in
director, Steve Pizzey, whose Science Projects company devised the exhibits,
That's the sort of cortickling

#### 7) word count

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ wc -w science.txt wc: science.txt: No such file or directory bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ wc -w sample.txt 1251 sample.txt bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ wc -l sample.txt 145 sample.txt
```

## 8) concatenate to list

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat > list1
pear
apple
mango
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list
cat: list: No such file or directory
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list1
pear
apple
 mango
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat > list2
plum
mango
grapefruit
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list2
plum
mango
grapefruit
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat >> list1
peach
grape
orangebhargav265@DESKTOP-HUD7V3B:~/unixstuff$
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list1
pear
apple
mango
peach
grape
orangebhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list1 list2 > biglist
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat biglist
pear
apple
mango
peach
grape
orangeorange
plum
mango
grapefruit
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

#### 9) sort

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ sort
cat
bird
ape
ape
bird
cat
dog
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ sort < biglist
grape
grapefruit
mango
mango
orangeorange
peach
pear
plum
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ sort < biglist > slist
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

# 10 ) who, cat + grep

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ who
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ who > names.txt
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ sort < names.txt
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ who ! sort
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ who | wc -1

bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ cat list1 list2 | grep p | sort
apple
grape
grape
grape
grapefruit
peach
pear
plum
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

## 11 )wildcard

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls list*
list1 list2
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls *list
biglist slist
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ ls ?list
slist
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

# 12) man, aprpos

```
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ man wc
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ whatis wc
                     - print newline, word, and byte counts for each file
wc (1)
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ apropos aprpos
aprpos: nothing appropriate.
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ apropos apro
                   - search the manual page names and descriptions
apropos (1)
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ aprpos copy
No command 'aprpos' found, did you mean:
Command 'apropos' from package 'man-db' (main)
aprpos: command not found
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$ apropos copy
                   - copy files and directories
cp (1)
cpgr (8)
                   - copy with locking the given file to the password or group file
cpio (1)
                    - copy files to and from archives
cppw (8)
                    - copy with locking the given file to the password or group file
                    - convert and copy a file
dd (1)
debconf-copydb (1) - copy a debconf database
install (1)
                 - copy files and set attributes
ntfscp (8)
                   - copy file to an NTFS volume.

    secure copy (remote file copy program)

rcp (1)
                  a fast, versatile, remote (and local) file-copying toolsecure copy (remote file copy program)
rsync (1)
scp (1)
                 - use locally available keys to authorise logins on a remote machine
ssh-copy-id (1)
bhargav265@DESKTOP-HUD7V3B:~/unixstuff$
```

# Git Commands Stats202A Bhargav Parsi(804945591)

## 1) Setting up github

#### 2) Git init and commit

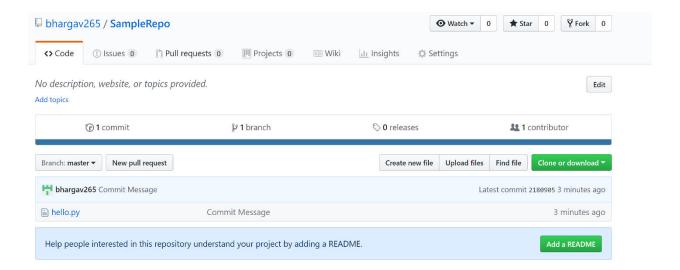
```
Bhargav Parsi@DESKTOP-HUD7v3B MINGw64 /
$ git init
Initialized empty Git repository in D:/Git/.git/
 Bhargav Parsi@DESKTOP-HUD7v3B MINGW64 / (master)
$ lind dev/ git-bash.exe* hello.py mingwood mingwood etc/ git-cmd.exe* LICENSE.txt proc/
                                                                                                                       unins000.msg
                                                        mingw64/
                                                                      ReleaseNotes.html unins000.dat
                                                                                                  unins000.exe*
                                                                       tmp/
                                                                                                                      usr/
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)
$ git add hello.py
 Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)
$ git commit
error: cannot spawn emacs: No such file or directory error: unable to start editor 'emacs'
Please supply the message using either -m or -F option.
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)

$ git commit -m "Commit Message"

[master (root-commit) 2180905] Commit Message

1 file changed, 1 insertion(+)

create mode 100644 hello.py
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)
$ git remote add origin git@github.com:bhargav265/SampleRepo.git
 Bhargav Parsi@DESKTOP-HUD7v3B MINGW64 / (master)
```



# 3) Push

#### 4) Git status

```
Bhargay Parsi@DESKTOP-HUD7V3B MINGW64 / (master)

§ git status

on branch master

Your branch is up to date with 'origin/master'.

Changes not staged for commit:
    (use "git add <file>..." to update what will be committed)
    (use "git checkout -- <file>..." to discard changes in working directory)

modified: hello.py

Untracked files:
    (use "git add <file>..." to include in what will be committed)

LICENSE.txt
    ReleaseNotes.html
    bin/
    cmd/
    dev/
    etc/
        git-bash.exe
        git-cmd.exe
        mingw64/
        unins000.dat
        unins000.msg
        usr/

no changes added to commit (use "git add" and/or "git commit -a")

Bhargay Parsi@DESKTOP=HUD7V3B MINGW664 / (master)
```

# 5) Clone

```
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)
$ git clone git@github.com:bhargav265/hello-world
cloning into 'hello-world'...
Enter passphrase for key '/c/Users/Bhargav Parsi/.ssh/id_rsa':
remote: Counting objects: 7, done.
remote: Total 7 (delta 0), reused 0 (delta 0), pack-reused 7
Receiving objects: 100% (1/T), done.
Resolving deltas: 100% (1/1), done.

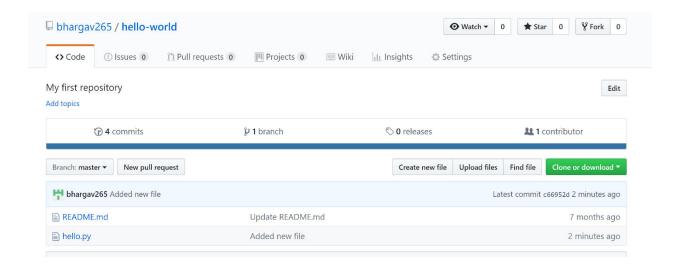
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 / (master)
$ cd hello-world

Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git add hello.py
fatal: pathspec 'hello.py' did not match any files

Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git add hello.py
The file will be replaced by CRLF in hello.py.
The file will have its original line endings in your working directory.

Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git commit -a -m 'Added new file'
[master c66952d] Added new file'
1 file changed, 2 insertions(+)
create mode 100644 hello.py

Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git push
Enter passphrase for key '/c/Users/Bhargav Parsi/.ssh/id_rsa':
counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), 326 bytes | 326.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:bhargav2655/hello-world
304d669..c66952d master -> master
```



## 6) Git Remote

```
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git remote -v
bhargav2 git://github.com/bhargav265/hello-world (fetch)
bhargav2 git://github.com/bhargav265/hello-world (push)
origin git@github.com:bhargav265/hello-world (fetch)
origin git@github.com:bhargav265/hello-world (push)
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
nothing to commit, working tree clean
Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
$ git pull bhargav2 master
From git://github.com/bhargav265/hello-world
                                         -> FETCH_HEAD
 * branch
                          master
    c66952d..23bfbac
                          master
                                         -> bhargav2/master
Already up to date.
 Bhargav Parsi@DESKTOP-HUD7V3B MINGW64 /hello-world (master)
```

# 7) Handling Pull Request