1

1. Create a directory

```
root@ubantuum:~# mkdir dir1
root@ubantuum:~# cd dir1
root@ubantuum:~/dir1# cd..
cd..: command not found
root@ubantuum:~/dir1# cd ..
root@ubantuum:~# mkdir dir2
root@ubantuum:~# cd dir2
root@ubantuum:~/dir2# cd ..
root@ubantuum:~# cd dir1
root@ubantuum:~/dir1# echo "this is textfile" >>file.txt
root@ubantuum:~/dir1# cat file.txt
this is textfile
root@ubantuum:~/dir1# _
```

2. create a file

```
root@ubantuum:~/dir1# cd ..
root@ubantuum:~# mkdir dir2
root@ubantuum:~# cd dir2
root@ubantuum:~/dir2# cd ..
root@ubantuum:~# cd dir1
root@ubantuum:~/dir1# echo "this is textfile" >>file.txt
root@ubantuum:~/dir1# _
```

```
root@ubantuum:~# cd dir2
root@ubantuum:~/dir2# ll
total 12
drwxr-xr-x  2 root root 4096 Dec  6 17:37 ./
drwx------ 15 root root 4096 Dec  6 17:14 ../
-rw-r--r--  1 root root    9 Dec  6 17:37 newfile.txt
root@ubantuum:~/dir2# cd ..
root@ubantuum:~# cd dir1
root@ubantuum:~/dir1# ll
total 12
drwxr-xr-x  2 root root 4096 Dec  6 17:17 ./
drwx------ 15 root root 4096 Dec  6 17:14 ../
-rw-r--r--  1 root root   17 Dec  6 17:17 file.txt
root@ubantuum:~/dir1# cd ..
root@ubantuum:~# cp file.txt dir2
cp: cannot stat 'file.txt': No such file or directory
root@ubantuum:~# cp ./dir1/file.txt ./dir2
root@ubantuum:~# ls -adir2
ls: invalid option -- '2'
Try 'ls --help' for more information.
root@ubantuum:~# ls -l dir2
total 8
-rw-r--r-- 1 root root 17 Dec  6 17:44 file.txt
-rw-r--r-- 1 root root  9 Dec  6 17:37 newfile.txt
root@ubantuum:~#
```

4. . Move the file content to the Another file.

```
root@ubantuum:~/dirA# cd ..
root@ubantuum:~# cat text.txt
cat: text.txt: No such file or directory
root@ubantuum:~# cat filetext.txt
cat: filetext.txt: No such file or directory
root@ubantuum:~# cd dir2
root@ubantuum:~/dir2# ll
total 16
drwxr-xr-x  2 root root 4096 Dec  6 17:44 ./
drwx------ 16 root root 4096 Dec  6 17:46 ../
-rw-r--r--  1 root root   17 Dec  6 17:44 file.txt
-rw-r--r--  1 root root    9 Dec  6 17:37 newfile.txt
root@ubantuum:~/dir2# cat file.txt
this is textfile
root@ubantuum:~/dir2# newfile.txt
newfile.txt: command not found
root@ubantuum:~/dir2# cat newfile.txt
new file
root@ubantuum:~/dir2# mv file.txt newfile.txt
root@ubantuum:~/dir2# cat newfile.txt
this is textfile
root@ubantuum:~/dir2#
```

```
root@ubantuum:~# cd dir2
root@ubantuum:~/dir2# ll
total 12
drwxr-xr-x  2 root root 4096 Dec  6 17:37 ./
drwx------ 15 root root 4096 Dec  6 17:14 ../
-rw-r--r--  1 root root    9 Dec  6 17:37 newfile.txt
root@ubantuum:~/dir2# _
```

5. Shell Script to print

```
"Welcome to the world Linux"

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"welcomelinux.sh" [New] 5L, 44B written
root@ubantuum:~#
```

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"welcomelinux.sh" [New] 5L, 44B written
root@ubantuum:~# ./welcomelinux.sh
-bash: ./welcomelinux.sh: Permission denied
root@ubantuum:~# chmod 755 welcomelinux.sh
root@ubantuum:~# ./welcomelinux.sh
./welcomelinux.sh: line 3: Welcome to the world Linux: command not found
root@ubantuum:~# _
```

```
root@ubantuum:~# ./welcomelinux.sh
-bash: ./welcomelinux.sh: Permission denied
root@ubantuum:~# chmod 755 welcomelinux.sh
root@ubantuum:~# ./welcomelinux.sh
./welcomelinux.sh: line 3: Welcome to the world Linux: command not found
root@ubantuum:~# ll
total 116
drwx------ 16 root root  4096 Dec  6 18:02 ./
drwxr-xr-x 24 root root  4096 Dec  5 17:31 ../
-rw-------  1 root root  2598 Dec  3 06:24 .bash_history
-rw-r--r--  1 root root  3106 Oct 15  2021 .bashrc
drwxr-xr-x  2 root root  4096 Dec  6 17:17 dir1/
drwxr-xr-x  2 root root  4096 Dec  6 17:48 dir2/
drwxr-xr-x  2 root root  4096 Dec  6 17:51 dirA/
-rw-r--r--  1 root root    22 Dec  6 17:01 echo,txt
-rw-r--r--  1 root root     5 Nov 26 18:58 echo.txt
drwxr-xr-x  2 root root  4096 Dec  5 17:43 joshishell/
-rw-r--r--  1 root root    21 Nov 30 20:38 joshishell.sh
-rw-------  1 root root    20 Dec  6 17:10 .lesshst
-rwxr-xr-x  1 root root   107 Dec  2 10:36 newshell.sh*
-rw-r--r--  1 root root   161 Jul  9  2019 .profile
drwxr-xr-x  2  755 root  4096 Dec  1 18:32 script/
drwxr-xr-x  3 root root  4096 Dec  2 10:59 script1/
drwxr-xr-x  2 root root  4096 Dec  4 04:36 scriptprograming/
drwxr-xr-x  2 root root  4096 Dec  4 04:38 shellprograming/
drwxr-xr-x  2 root root  4096 Dec  4 04:38 shellscript/
drwx------  4 root root  4096 Nov 30 19:38 snap/
drwxr-xr-x  2 root root  4096 Dec  5 17:48 somashell/
drwx------  2 root root  4096 Oct 10 19:03 .ssh/
-rw-r--r--  1 root root     0 Nov 28 05:16 .sudo_as_admin_successful
drwxr-xr-x  2 root root  4096 Dec  3 06:12 variables/
drwxr-xr-x  2 root root  4096 Nov 26 18:27 .vim/
-rw-------  1 root root 10296 Dec  6 18:02 .viminfo
-rwxr-xr-x  1 root root     0 Dec  5 18:34 welcome*
-rwxr-xr-x  1 root root    41 Dec  6 17:57 welcomeall.sh*
-rwxr-xr-x  1 root root    44 Dec  6 18:02 welcomelinux.sh*
root@ubantuum:~#
```

6. Delete the created file

```
-rw-r--r--   1 root root      0 Nov 28 05:16 .sudo_as_admin_successful
drwxr-xr-x   2 root root   4096 Dec  3 06:12 variables/
drwxr-xr-x   2 root root   4096 Nov 26 18:27 .vim/
-rw-------   1 root root  10296 Dec  6 18:02 .viminfo
-rwxr-xr-x   1 root root      0 Dec  5 18:34 welcome*
-rwxr-xr-x   1 root root     41 Dec  6 17:57 welcomeall.sh*
root@ubantuum:~# ll
total 112
drwx------  16 root root   4096 Dec  6 18:04 ./
drwxr-xr-x  24 root root   4096 Dec  5 17:31 ../
-rw-------   1 root root   2598 Dec  3 06:24 .bash_history
-rw-r--r--   1 root root   3106 Oct 15  2021 .bashrc
drwxr-xr-x   2 root root   4096 Dec  6 17:17 dir1/
drwxr-xr-x   2 root root   4096 Dec  6 17:48 dir2/
drwxr-xr-x   2 root root   4096 Dec  6 17:51 dirA/
-rw-r--r--   1 root root     22 Dec  6 17:01 echo,txt
-rw-r--r--   1 root root      5 Nov 26 18:58 echo.txt
drwxr-xr-x   2 root root   4096 Dec  5 17:43 joshishell/
-rw-r--r--   1 root root     21 Nov 30 20:38 joshishell.sh
-rw-------   1 root root     20 Dec  6 17:10 .lesshst
-rwxr-xr-x   1 root root    107 Dec  2 10:36 newshell.sh*
-rw-r--r--   1 root root    161 Jul  9  2019 .profile
drwxr-xr-x   2  755 root   4096 Dec  1 18:32 script/
drwxr-xr-x   3 root root   4096 Dec  2 10:59 script1/
drwxr-xr-x   2 root root   4096 Dec  4 04:36 scriptprograming/
drwxr-xr-x   2 root root   4096 Dec  4 04:38 shellprograming/
drwxr-xr-x   2 root root   4096 Dec  4 04:38 shellscript/
drwx------   4 root root   4096 Nov 30 19:38 snap/
drwxr-xr-x   2 root root   4096 Dec  5 17:48 somashell/
drwx------   2 root root   4096 Oct 10 19:03 .ssh/
-rw-r--r--   1 root root      0 Nov 28 05:16 .sudo_as_admin_successful
drwxr-xr-x   2 root root   4096 Dec  3 06:12 variables/
drwxr-xr-x   2 root root   4096 Nov 26 18:27 .vim/
-rw-------   1 root root  10296 Dec  6 18:02 .viminfo
-rwxr-xr-x   1 root root      0 Dec  5 18:34 welcome*
-rwxr-xr-x   1 root root     41 Dec  6 17:57 welcomeall.sh*
root@ubantuum:~# _
```

2

MINGW64:/d/Soma Course

```bash
#!/bin/bash
 n=$1
for((i=2; i<=$n/2; i++))
do
   ans=$(( n%i ))
   if [ $ans -eq 0 ]
   then
      echo "$n is not a prime number."
      exit 0
   fi
done
echo "$n is a prime number."
~
~
```

```
cer@DESKTOP-PV788EP MINGW64 /d/Soma Course
./isprime.sh 7
is a prime number.

cer@DESKTOP-PV788EP MINGW64 /d/Soma Course
less isprime.sh

cer@DESKTOP-PV788EP MINGW64 /d/Soma Course
```