

Module 6 Exercise

1. Create a file in a new directory using vi editor and ensure the filename doesn't exist already using shell commands.

```
root@tryit-diverse:~# mkdir newfolder
root@tryit-diverse:~# ls
newfolder
root@tryit-diverse:~# cd newfolder
root@tryit-diverse:~/newfolder# ls
root@tryit-diverse:~/newfolder# vi file.txt
root@tryit-diverse:~/newfolder# ls
file.txt
root@tryit-diverse:~/newfolder# cat file.txt
Hi, Welcome to linux. Have a nice day!
root@tryit-diverse:~/newfolder#
```

2. Get the Absolute path and relative path of the file you created in Question 1.

```
root@tryit-diverse:~/newfolder# ls
file.txt
root@tryit-diverse:~/newfolder# cat file.txt
Hi, Welcome to linux. Have a nice day!
root@tryit-diverse:~/newfolder# pwd
/root/newfolder
root@tryit-diverse:~/newfolder# cd ..
root@tryit-diverse:~# cd
root@tryit-diverse:~# realpath file.txt
/root/file.txt
root@tryit-diverse:~#
```

3. Select a random file and do the following:
- Count the no. of lines, words in the file

```
root@tryit-diverse:~# cd newfolder
root@tryit-diverse:~/newfolder# ls
file.txt
root@tryit-diverse:~/newfolder# wc -l file.txt
1 file.txt
root@tryit-diverse:~/newfolder#
```

- Display the list 10 lines of a file

```
root@tryit-diverse:~/newfolder# ls
file.txt
root@tryit-diverse:~/newfolder# wc -l file.txt
1 file.txt
root@tryit-diverse:~/newfolder# head file.txt
Hi, Welcome to linux. Have a nice day!
root@tryit-diverse:~/newfolder#
```

- Display the entire file

```
root@tryit-diverse:~/newfolder# tail file.txt
Hi, Welcome to linux. Have a nice day!
root@tryit-diverse:~/newfolder#
```

- Search a word 'X' in the entire file and display the lines with it

```
root@tryit-diverse:~/newfolder# grep -i nice file.txt
Hi, Welcome to linux. Have a nice day!
```