Linux Environment Variable Assignment
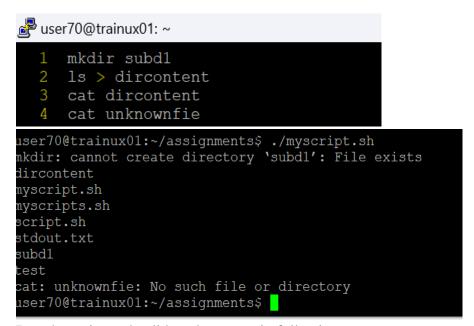
1. 1. Create a script named "myscript" in current directory to do the following.
   A. commands - vi myscript.sh
   a) create a dir named "subd1" in current directory: in vi editor.. 1. mkdir subd 1
   b) create a file named "dircontent" with contents of the current directory :
   Is>dircon
   c) display the contents of the file "dircontent": cat dircontent
   d) display the contents of a non existing file named "unknownfile": cat unknown
   file

user70@trainux01: ~

```
 1   mkdir subd1
 2   ls > dircontent
 3   cat dircontent
 4   cat unknownfie
```

```
user70@trainux01:~/assignments$ ./myscript.sh
mkdir: cannot create directory 'subd1': File exists
dircontent
myscript.sh
myscripts.sh
script.sh
stdout.txt
subd1
test
cat: unknownfie: No such file or directory
user70@trainux01:~/assignments$
```

2. Run the script and validate the output in following cases
   a) Redirect only the stdout to an o/p file named stdout.txt
   ./myscript.sh1>stdout.txt
   b) Redirect only the stderr to an o/p file named stderr.txt
   ./myscript.sh2>stderr.txt
   c) Redirect both stdout and stderr to an o/p file named stdall.txt
      ./myscript.sh>stdall.txt>2&1
   d) Display all o/p and error and also redirect both stdout and stderr to an o/p file
      named stdall.txt
      Cat stdall.txt

```
user70@trainux01:~$ cd assignments
user70@trainux01:~/assignments$ vi myscript.sh
user70@trainux01:~/assignments$ chmod +x myscript.sh
user70@trainux01:~/assignments$ cat stdout.txt
user70@trainux01:~/assignments$ ll
total 20
drwxrwxr-x  3 user70 user70 4096 Nov  6 00:34 ./
drwx------ 23 user70 user70 4096 Nov  6 00:34 ../
-rw-rw-r--  1 user70 user70    0 Nov  5 17:53 dircontent
-rwxrwxr-x  1 user70 user70   66 Nov  6 00:34 myscript.sh*
-rwxrwxr-x  1 user70 user70  145 Nov  6 00:33 myscripts.sh*
-rw-rw-r--  1 user70 user70    0 Nov  5 18:09 script.sh
-rw-rw-r--  1 user70 user70    0 Nov  5 18:10 stdout.txt
drwxrwxr-x  2 user70 user70 4096 Nov  5 16:05 test/
user70@trainux01:~/assignments$ chmod +x myscript.sh
user70@trainux01:~/assignments$ ./myscript.sh 1>stdout.txt
cat: unknownfie: No such file or directory
user70@trainux01:~/assignments$ cat stdout.txt
dircontent
myscript.sh
myscripts.sh
script.sh
stdout.txt
subd1
test
```

```
user70@trainux01:~/assignments$ ./myscript.sh 2>stdout.txt
dircontent
myscript.sh
myscripts.sh
script.sh
stdout.txt
subd1
test
user70@trainux01:~/assignments$ cat stdall.txt
```

3.   Redirect the output of command below using pipe (|) to wc and get the output .

ls -l

```
user70@trainux01:~/assignments$ ls -l | wc
      8      65     392
user70@trainux01:~/assignments$
```