Linux Environment Variable Assignment

1. Create a script named "myscript" in current directory to do the following.

a) create a dir named "subd1" in current directory

b) create a file named "dircontent" with contents of the current directory

c) display the contents of the file "dircontent"

d) display the contents of a non existing file named "unknownfile"

```
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat >myscript.sh
^C
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ mkdir subd1
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat > dircontent
Hello everyone!
My name is Annayasha Paul
I live in Kolkata
^C
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat dircontent
Hello everyone!
My name is Annayasha Paul
I live in Kolkata
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat unknownfile
cat: unknownfile: No such file or directory
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$
```

2. Run the script and validate the output in following cases

a) Redirect only the stdout to an o/p file named stdout.txt

b) Redirect only the stderr to an o/p file named stderr.txt

c) Redirect both stdout and stderr to an o/p file named stdall.txt

d) Display all o/p and error and also redirect both stdout and stderr to an o/p file

named stdall.txt

```
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ touch stdout.txt
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ touch stderr.txt
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat stdout.txt > out 2>error
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ ls stderr.txt 2>&1
stderr.txt
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ cat stderr.txt
```

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

ls –l

```
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$ ls -l
total 0
-rw-r--r-- 1 trainee29 trainee29  60 Nov  4 09:01 dircontent
-rw-r--r-- 1 trainee29 trainee29   0 Nov  4 09:18 error
-rwxr-xr-x 1 trainee29 trainee29  45 Nov  4 09:13 myscript.sh
-rw-r--r-- 1 trainee29 trainee29   0 Nov  4 09:18 out
-rw-r--r-- 1 trainee29 trainee29   0 Nov  4 09:17 stderr.txt
-rw-r--r-- 1 trainee29 trainee29   0 Nov  4 09:17 stdout.txt
drwxr-xr-x 1 trainee29 trainee29 512 Nov  4 08:56 subd1
trainee29@DESKTOP-TNF7R99:~/APCGWorkspace/Assignments/day04/PipeAndRedirect$
```