EmbedUR - Linux Training Program

Module - 1

Assignment – 5 (Redirection of Pipes)

1. Create a file name error_log in your current directory. Suppose you do not have any file named aa11 in your current directory.
   How can you redirect the error message to the file error_log when we apply the command "wc -l aa11" ? How can you ensure that all the error log are appended to the error_log file?

Output:

```
aswinsankesh@aswin-linux:~$ cat > error_log.txt
aswinsankesh@aswin-linux:~$ wc -l aa11 2> error_log.txt
aswinsankesh@aswin-linux:~$ cat error_log.txt
wc: aa11: No such file or directory
aswinsankesh@aswin-linux:~$ wc -l aa22 2>> error_log.txt
aswinsankesh@aswin-linux:~$ cat error_log.txt
wc: aa11: No such file or directory
wc: aa22: No such file or directory
aswinsankesh@aswin-linux:~$
```

Explanation:

Wc –l => counts number of lines

2> => if error is found it redirects to that file

2. Create files named test1, test2, testa, testb. How can you count the number of files starting with test and then having only one digit in their name using only a single line command ?

Output:

```
aswinsankesh@aswin-linux:~$ cat > test1.txt
this is test1
aswinsankesh@aswin-linux:~$ cat > test2.txt
this is test2
aswinsankesh@aswin-linux:~$ cat > testa.txt
this is test a
aswinsankesh@aswin-linux:~$ cat > testb.txt
this is test b
aswinsankesh@aswin-linux:~$ ls
abc.txt    digits2.txt  Downloads     fileinfo  Public   Templates  testa.txt
demodir    digits3.txt  error_log.txt  Music     result   test1.txt  testb.txt
Desktop    Documents    exercise.txt  Pictures  snap     test2.txt  Videos
aswinsankesh@aswin-linux:~$ ls | grep 'test[0-9]' | wc -l
2
aswinsankesh@aswin-linux:~$
```

Explanation:

 grep => matches a particular pattern in a given data

| => pipes used in linux