

## Redirection 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" ?

**Ans: wc -l aa11 > error\_log.txt**

```
bgmadhavan@bgm-virtual-machine: ~/demodir
bgmadhavan@bgm-virtual-machine:~/demodir$ wc -l aa11 2> error_log
bgmadhavan@bgm-virtual-machine:~/demodir$ cat error_log
wc: aa11: No such file or directory
bgmadhavan@bgm-virtual-machine:~/demodir$
```

How can you ensure that all the error log are appended to the errorlog file?

**Ans: wc -l aa11 >> error\_log.txt**

```
bgmadhavan@bgm-virtual-machine:~/demodir$ wc -l aa11 2>> error_log
bgmadhavan@bgm-virtual-machine:~/demodir$ cat error_log
0 total
wc: aa11: No such file or directory
wc: aa11: No such file or directory
bgmadhavan@bgm-virtual-machine:~/demodir$
```

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 ?

**Ans:**  
cat > test1  
cat > test2  
cat > testa  
cat > testb

**command: ls -l test[0-9] | wc -l**

```
bgmadhavan@bgm-virtual-machine:~/demodir$ cat > test1
bgmadhavan@bgm-virtual-machine:~/demodir$ cat > test2
bgmadhavan@bgm-virtual-machine:~/demodir$ cat > test3
bgmadhavan@bgm-virtual-machine:~/demodir$ cat > test4
bgmadhavan@bgm-virtual-machine:~/demodir$ ls -l test[0-9] | wc -l
4
```