

# Pipes

Each step in a pipeline is a separate shell; i.e. there is a true pipeline. Be careful with redirection. Also **|&** does not work.

**cat nofile | grep string** produces an error if **nofile** does not exist.

**cat nofile | grep string 2>errs** does not work.

**cat nofile 2>&1 | grep string > errs** does not work.

**cat nofile 2>errors | grep string** does work.

The **tee** utility can be very useful for saving output while still looking at the screen:

```
1  $ foobar | tee filename
2  $ foobar 2>&1 | tee filename
```

