



File descriptors:

- **0 = stdin**
- **1 = stdout**
- **2 = stderr**

**less < file** same as **less file** or **less 0< file**

**foo > file ;** redirect **stdout** (same as **foo 1> file**)

**foo 2> file ;** redirect **stderr**

**foo >> file ;** append **stdout** to **file**

**foo >& file** or **foo > file 2>&1;**

sends **stdout** and **stderr** to a file, but **foo >>& file** does not work ; you have to do **foo >> file 2>&1**

Note that **foo > file 2>&1** is not the same as **foo 2>&1 > file**; the order of arguments is important.

A nice non-portable trick you can use in Linux is to take advantage of the device nodes:

```
1 /dev/stdin
2 /dev/stdout
3 /dev/stderr

1 $ foo > /dev/stderr
```

✓ Complete

Go to next item

