

CS 208

Mon, 8 May 2023

A Process is a running program.

PS

~ "process status"

lists current processes

Each process has

- one input stream (stdin or standard input)
- two output streams (stdout, stderr)

Open automatically when process launches

stdin - usually attached to keyboard
stdout, stderr - usually attached to the screen.

stdout vs. stderr

printf → stdout
(print in python ↷)

Why two streams?

So stdout can receive data
stderr can receive
error messages

```
printf("Number: %d\n", k);
```

```
fprintf(stderr, "Uh-oh...\n");
```

In bash

>

redirects stdout

ls > something.txt

sends ls's stdout to the
file something.txt

<

redirects stdin

(take input from file
instead of keyboard)

cmd1 | cmd2

Sends cmd1's stdout
to cmd2's stdin

"pipe"