CS 45: Operating Systems

CLab 11: Yes!

DUE by next class

Write your answers in README.md. Create a COLLAB.md file to keep track of any outside resources you might use. Be sure to push to the repo after class (even if you are not done).

1 yes

0. Just to be safe, let's set the file size limit of your bash shell; so no huge files get created accidentally in this clab.

\$ ulimit -f 20480

1. Familiarize yourself with the yes program.

```
$ yes
y
y
y
...
$ yes no
no
no
```

2. Run yes through pv to note its throughput (KiB/s or MiB/s or GiB/s):

```
$ yes | pv > /dev/null
```

- 3. Explain what | and > are doing in that last part (man pv)?
- 4. Write a C program that acts like yes called syes.

```
$ gcc -o syes syes.c
$ syes
y
y
y
```

5. Run syes through pv and note its throughput (KiB/s or MiB/s or GiB/s), how does it compare?

```
$ yes | pv > /dev/null
```

- 6. Can you speed it up any (maybe calling write directly, did that work?)?
- 7. Can strace help at all?