CS 326-01  System Calls

Projectoz - tests coming

Sh.C modification

System calls in kernel

Sh.C mod

$ cat README | wc

- sh: 1t: 3011 bytes
  count bytes

![Diagram](image-url)
Count bytes through pipe

#1

```
sh
```

```
pipecmd
```

```
fork
```

```
for hel
```

```
eexec cmd
```

```
Count
```

```
for hel
```

```
```

#2

```
sh
```

```
pipecmd con
```

```
eexec cmd
```

```
eexec cmd
```

```
eexec cmd
```

```
eexec cmd
```
System calls

Process

\[
\text{li at, 1} \\
\text{ecall} \\
\text{ret}
\]

User

Kernel

Trap handler

C code

\[
\text{syscall()}
\]
Sure User regs on stuck me

```assembly
li a7, 1
ecall
ret
```

Save User keys on stack

usertrap (C)

syscall (C)

look-up call