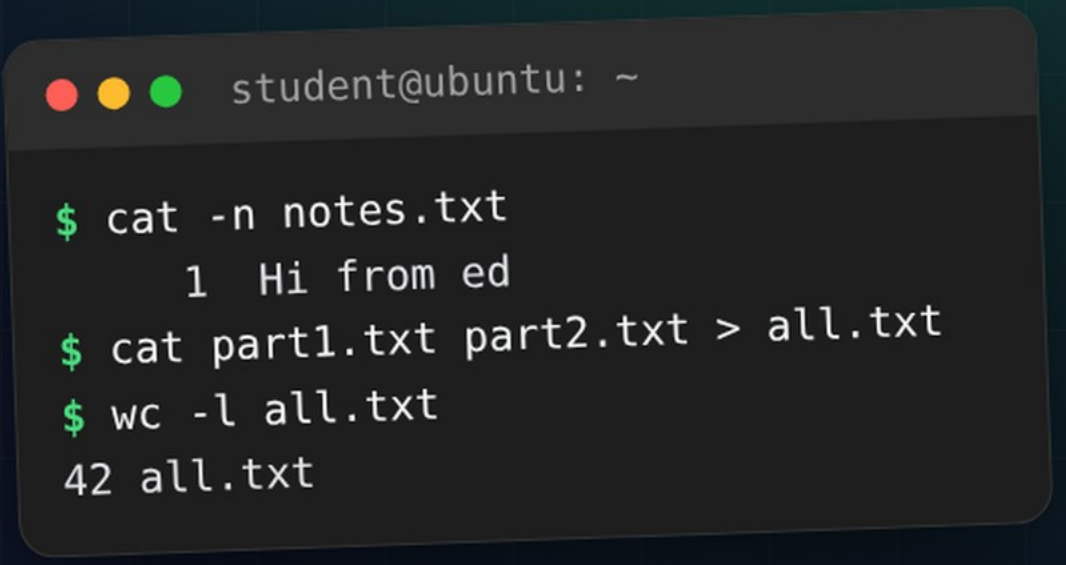
LINUX EDITORS · 1/6

ed & cat

The Original Text Tools



LESSON 1

ed & cat: The Original Linux Text Tools

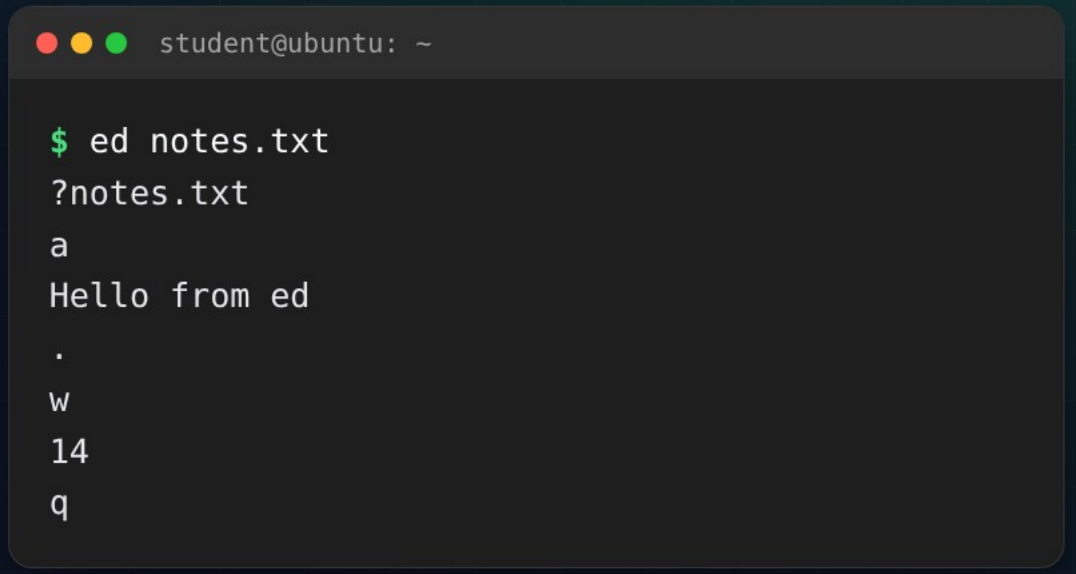
ed · cat

LINUX EDITORS & UTILITIES | Linux | FREE

PART 1 OF 5

ed: The First Unix Editor

1. Written by Ken Thompson in 1969
2. A line editor, no full screen
3. Still useful in scripts & rescue mode



PART 2 OF 5

ed Commands You Need

1. a … then a single dot: append text
2. ,p print all · s/old/new/ substitute
3. w write · q quit

```
student@ubuntu: ~

$ ed -p '> ' notes.txt
14
> ,p
Hello from ed
> 1s/Hello/Hi/
> w
11
> q
```

PART 3 OF 5

cat: View and Join Files

1. cat file: print a file
2. cat -n: number the lines
3. cat a b > all: join files

```
student@ubuntu: ~
$ cat -n notes.txt
     1  Hi from ed
$ cat part1.txt part2.txt > all.txt
$ wc -l all.txt
42 all.txt
```

PART 4 OF 5

Create Files with cat

1. cat > file … then Ctrl+D to save
2. >> appends instead of overwriting
3. Here-doc: cat << EOF in scripts

```
student@ubuntu: ~

$ cat > todo.txt
learn ed
learn cat
^D
$ cat >> todo.txt
learn vim
^D
$ cat << EOF > app.conf
port=8080
EOF
```

PART 5 OF 5

Helpers: less, head, tail

1. less: scroll & search, q to quit
2. head / tail: first or last lines
3. tail -f: watch a log live

```
student@ubuntu: ~

$ less /var/log/syslog
$ head -n 1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
$ tail -n 2 todo.txt
learn cat
learn vim
$ tail -f /var/log/syslog
```

Keep Learning, Free

Slides (PDF): MyWebUniversity.com/presentations

YouTube: @MyWebUniversity

Dari: @MyWebUniversity-Dari