

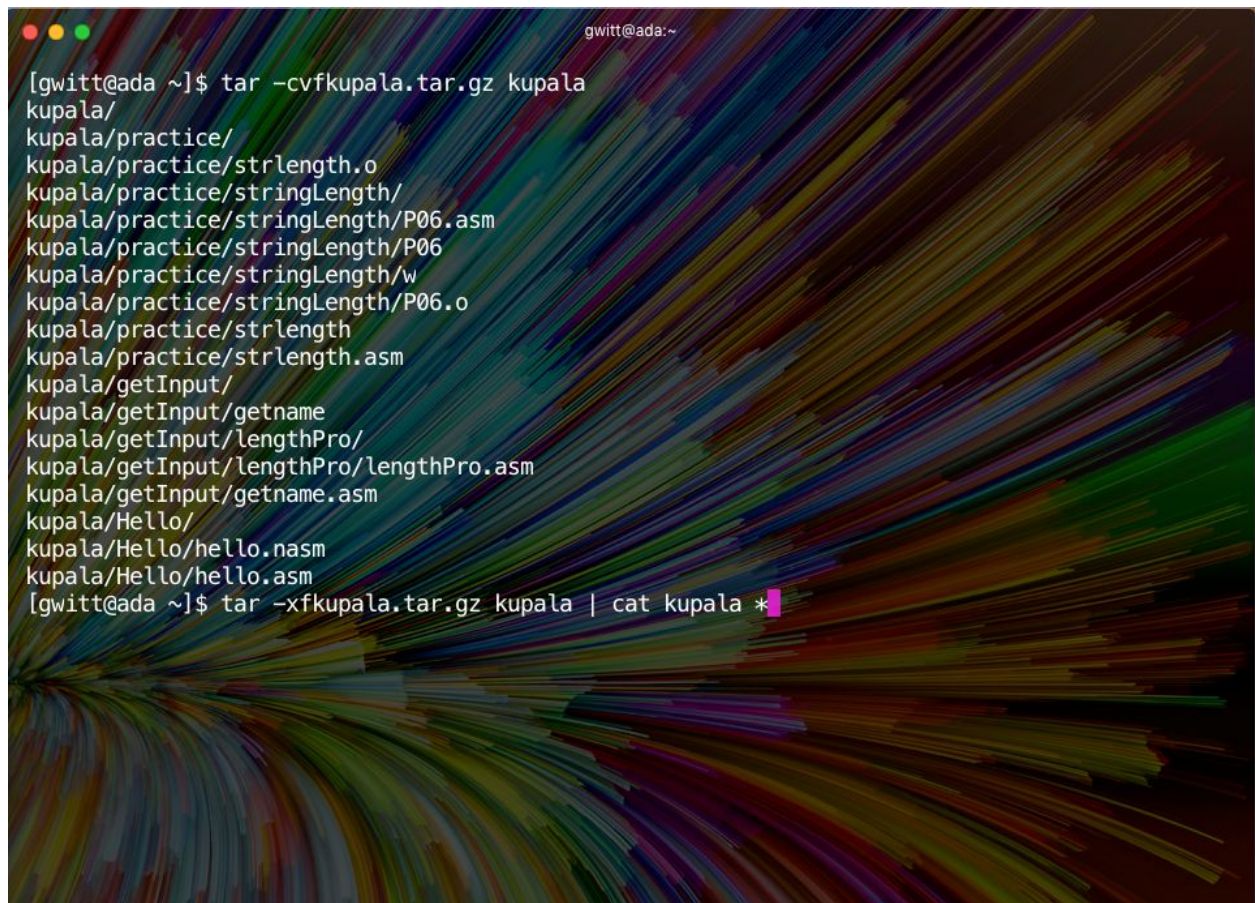
Operating Systems

Spring Semester 202

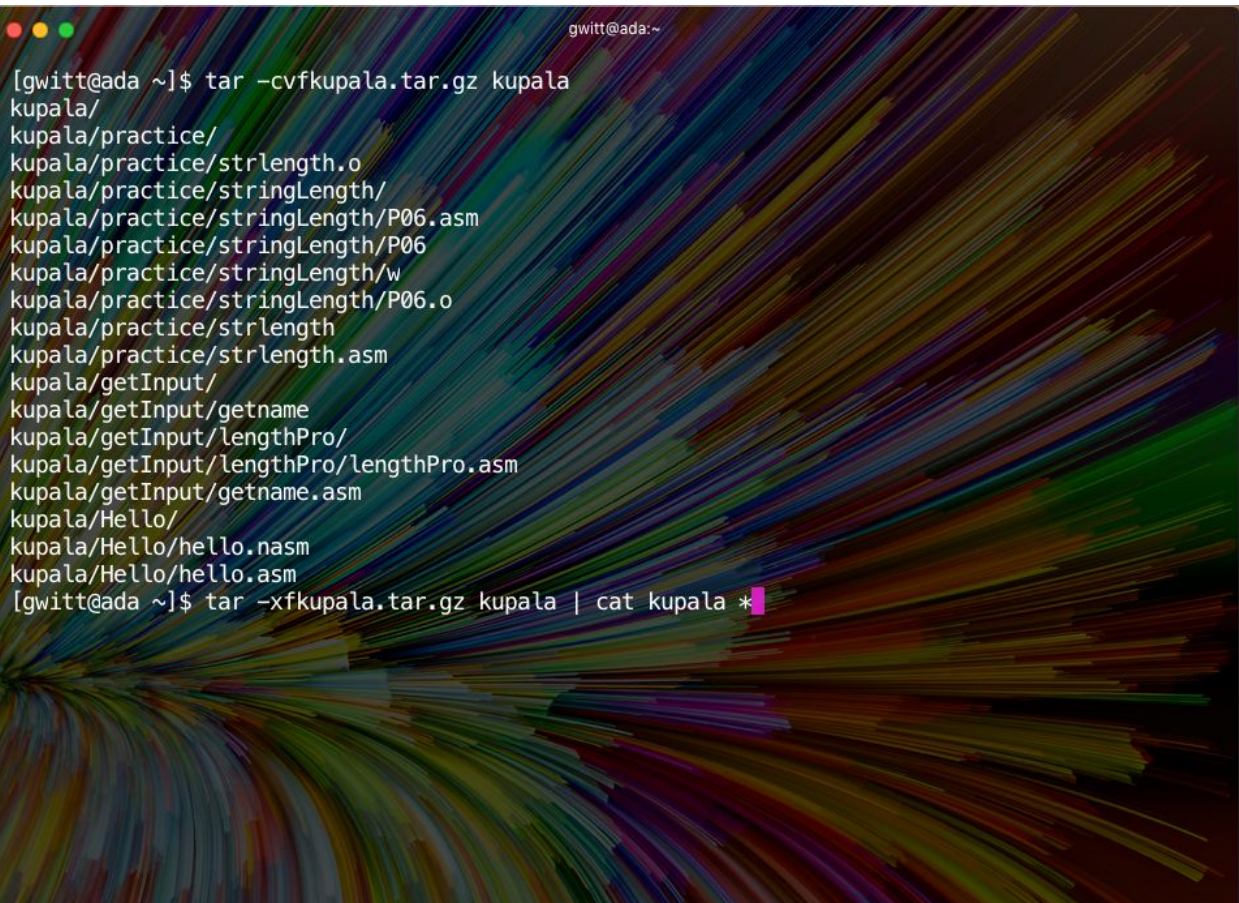
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L-16

I did all the commands GAW

A terminal window with a dark background and a colorful, abstract, radial pattern. The terminal shows a user named 'gwitt' at a machine named 'ada' in the directory '~'. The user runs a command to create a tar archive named 'kupala.tar.gz' from the directory 'kupala'. The output lists the files included in the archive. Then, the user runs a command to extract the archive and list the contents of the 'kupala' directory.

```
gwitt@ada:~  
[gwitt@ada ~]$ tar -cvfkupala.tar.gz kupala  
kupala/  
kupala/practice/  
kupala/practice/strlen.o  
kupala/practice/stringLength/  
kupala/practice/stringLength/P06.asm  
kupala/practice/stringLength/P06  
kupala/practice/stringLength/w  
kupala/practice/stringLength/P06.o  
kupala/practice/strlen  
kupala/practice/strlen.asm  
kupala/getInput/  
kupala/getInput/getname  
kupala/getInput/lengthPro/  
kupala/getInput/lengthPro/lengthPro.asm  
kupala/getInput/getname.asm  
kupala/Hello/  
kupala/Hello/hello.nasm  
kupala/Hello/hello.asm  
[gwitt@ada ~]$ tar -xfkupala.tar.gz kupala | cat kupala *
```

A terminal window with a colorful abstract background of streaks and lines in shades of blue, green, yellow, and red. The terminal text is as follows:

```
gwitt@ada:~  
[gwitt@ada ~]$ tar -cvfkupala.tar.gz kupala  
kupala/  
kupala/practice/  
kupala/practice/stringLength.o  
kupala/practice/stringLength/  
kupala/practice/stringLength/P06.asm  
kupala/practice/stringLength/P06  
kupala/practice/stringLength/w  
kupala/practice/stringLength/P06.o  
kupala/practice/stringLength  
kupala/practice/stringLength.asm  
kupala/getInput/  
kupala/getInput/getname  
kupala/getInput/lengthPro/  
kupala/getInput/lengthPro/lengthPro.asm  
kupala/getInput/getname.asm  
kupala/Hello/  
kupala/Hello/hello.nasm  
kupala/Hello/hello.asm  
[gwitt@ada ~]$ tar -xvkupala.tar.gz kupala | cat kupala *
```



```
gwitt@ada:~  
./cache/go-build/88/88ec1b5fc6e1ea702db2aff2571149b8a29fe8b1d6bc16e7a75bf58b9b48e310-a  
./cache/go-build/5e  
./cache/go-build/60  
./cache/go-build/57  
./cache/go-build/e9  
./cache/go-build/ad  
./cache/go-build/1d  
./cache/go-build/7e  
./cache/go-build/e8  
./cache/go-build/85  
./cache/go-build/14  
./cache/go-build/ab  
./cache/go-build/8f  
./cache/go-build/03  
./cache/go-build/5a  
./cache/go-build/a2  
./cache/go-build/01  
./cache/go-build/bd  
./cache/go-build/54  
./cache/go-build/62  
./cache/go-build/8b  
./cache/go-build/18  
./cache/go-build/be  
./cache/go-build/6c  
./cache/go-build/ef  
./cache/go-build/8e  
./P12  
./P12/p12.asm  
./P12/p12  
./P12/p12.o  
./P09  
./P09/p09.asm  
./P09/myfile.txt  
./P09/p09  
./P09/p09.o  
./P02  
./P02/P02.nasm  
./P02/P02.o  
./P02/a.out  
./P04  
./P04/P04.o  
./P04/P04.nasm  
./P04/a.out  
./bash_profile  
./emacs  
[gwitt@ada ~]$ find .
```

```
gwitt@ada:~  
[gwitt@ada ~]$ sleep 500  
^Z  
[1]+  Stopped                  sleep 500  
[gwitt@ada ~]$ jobs  
[1]+  Stopped                  sleep 500  
[gwitt@ada ~]$ bg %1  
[1]+  sleep 500 &  
[gwitt@ada ~]$ jobs  
[1]+  Running                  sleep 500 &  
[gwitt@ada ~]$ fg %1  
sleep 500  
^C  
[gwitt@ada ~]$ jobs  
[gwitt@ada ~]$ sleep 500  
^Z  
[1]+  Stopped                  sleep 500  
[gwitt@ada ~]$ fg %1  
sleep 500  
^Z  
[1]+  Stopped                  sleep 500  
[gwitt@ada ~]$ bg %1  
[1]+  sleep 500 &  
[gwitt@ada ~]$ kill %1  
[gwitt@ada ~]$ jobs  
[1]+  Terminated             sleep 500  
[gwitt@ada ~]$
```



```
gwitt@ada:~  
[gwitt@ada ~]$ ps  
  PID TTY          TIME CMD  
 30748 pts/0    00:00:00 bash  
 31207 pts/0    00:00:00 ps  
[gwitt@ada ~]$ w  
17:31:46 up 59 days,  6:53,  1 user,  load average: 0.12, 0.08, 0.02  
USER      TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT  
gwitt     pts/0    cpe-74-139-251-1 17:14    0.00s  0.15s  0.00s w  
[gwitt@ada ~]$
```

```
gwitt@ada:~  
23386 ?      00:00:25    python  
9439 ?      00:00:12    python  
10367 ?     00:00:12    python  
15166 ?     00:00:02    python  
27315 ?     00:02:40    jupyter-noteboo  
27434 ?     00:00:40    jupyter-noteboo  
30029 pts/1    00:00:00    bash  
27553 ?     00:19:40    jupyter-noteboo  
1404 ?      00:00:01    R  
1858 ?      00:00:03    R  
31638 ?     00:00:03    R  
31769 ?     00:00:00    R  
27672 ?     00:26:05    jupyter-noteboo  
9517 ?      00:00:01    R  
9539 ?      00:00:00    R  
9665 ?      00:00:00    R  
10093 ?     00:00:01    R  
29597 ?     00:00:29    python  
29793 ?     00:00:13    python  
29831 ?     00:00:15    python  
27791 ?     00:43:55    jupyter-noteboo  
1454 ?      00:00:02    R  
26892 ?     00:00:00    R  
10605 ?     00:00:01    R  
11222 ?     00:00:01    R  
11318 ?     00:00:00    R  
18595 ?     00:00:00    R  
18984 ?     00:00:00    R  
27910 ?     01:10:03    jupyter-noteboo  
28404 ?     00:00:46    python  
28873 ?     00:00:45    python  
6121 ?      00:00:43    python  
21620 ?     00:01:12    python  
21644 ?     00:00:30    python  
9570 ?      00:00:28    python  
8606 ?      00:00:53    python  
8627 ?      00:00:12    python  
8640 ?      00:00:12    python  
8714 ?      00:00:12    python  
8970 ?      00:00:12    python  
10668 ?     00:00:12    python  
10705 ?     00:00:12    python  
31554 ?     00:12:47    jupyter-noteboo  
17080 ?     00:01:14    python  
32534 ?     00:00:07    python  
[gwitt@ada ~]$
```