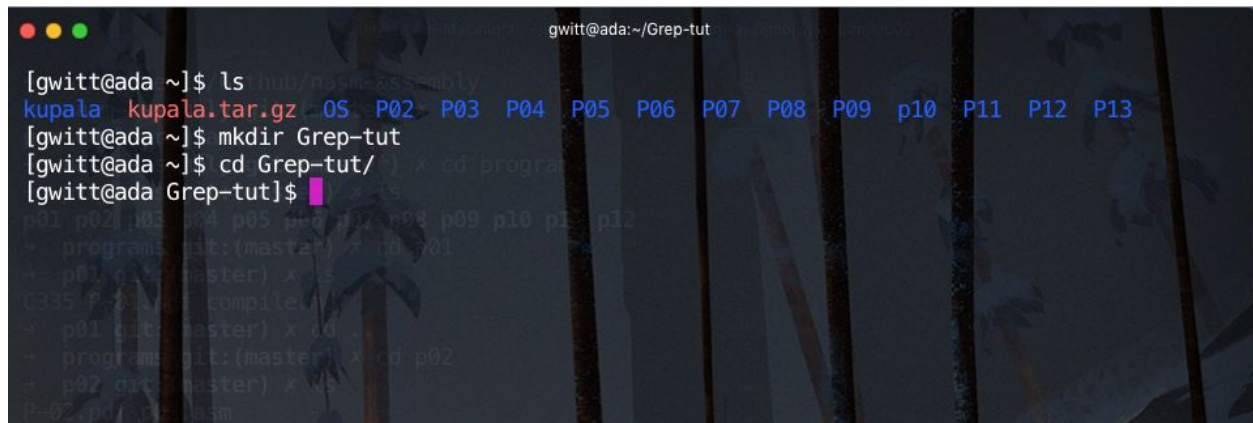# Operating Systems
Spring Semester 2020

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L-19- The Many Faces of Grep

Logging into Ada For Programming Examples:

Example 1: egrep

```
[gwitt@ada ~]$ ls
kupala  kupala.tar.gz  OS  P02  P03  P04  P05  P06  P07  P08  P09  p10  P11  P12  P13
[gwitt@ada ~]$ mkdir Grep-tut
[gwitt@ada ~]$ cd Grep-tut/
[gwitt@ada Grep-tut]$ alias egrep='grep -E'
[gwitt@ada Grep-tut]$ alias fgrep='grep -F'
[gwitt@ada Grep-tut]$ alias plgrep='grep -P'
[gwitt@ada Grep-tut]$ grep -E "green|yellow|purple" colors
grep: colors: No such file or directory
[gwitt@ada Grep-tut]$ touch colors
[gwitt@ada Grep-tut]$ ls
colors
[gwitt@ada Grep-tut]$ vi colors
[gwitt@ada Grep-tut]$ grep -E "green|yellow|purple" colors
green
purple
green background
purple background
light green
yellow
light purple
light green background
yellow background
light purple background
[gwitt@ada Grep-tut]$
```
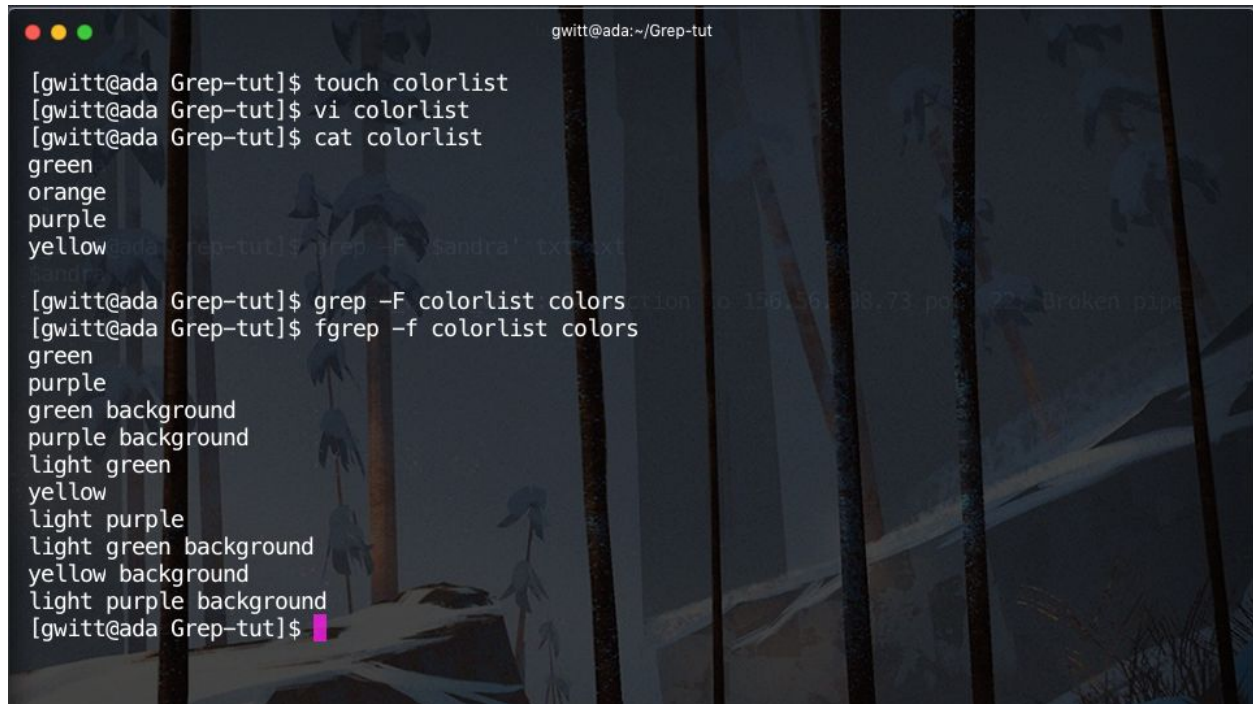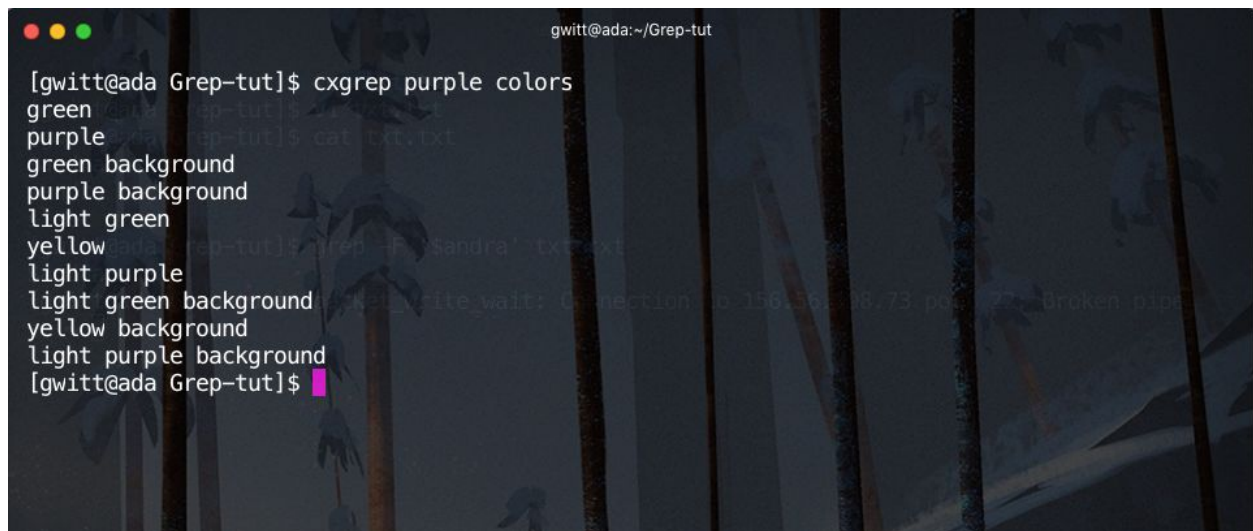
Example 2: grep -f

```
[gwitt@ada Grep-tut]$ touch txt.txt
[gwitt@ada Grep-tut]$ vi txt.txt
[gwitt@ada Grep-tut]$ cat txt.txt
$andra
sandra
slee
[gwitt@ada Grep-tut]$ grep -F '$andra' txt.txt
$andra
[gwitt@ada Grep-tut]$
```

Patterns from a file:


```
[gwitt@ada Grep-tut]$ touch colorlist
[gwitt@ada Grep-tut]$ vi colorlist
[gwitt@ada Grep-tut]$ cat colorlist
green
orange
purple
yellow

[gwitt@ada Grep-tut]$ grep -F colorlist colors
[gwitt@ada Grep-tut]$ fgrep -f colorlist colors
green
purple
green background
purple background
light green
yellow
light purple
light green background
yellow background
light purple background
[gwitt@ada Grep-tut]$
```

CxGrep Example:


```
[gwitt@ada Grep-tut]$ cxgrep purple colors
green
purple
green background
purple background
light green
yellow
light purple
light green background
yellow background
light purple background
[gwitt@ada Grep-tut]$
```

Grep NOT Example:

Cgrep Examples: