



GNU/Linux 101



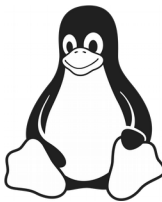
#! Relative vs Absolute Path

~ : Home directory

/ : Root directory

```
cat cow.txt
```

```
cat /home/gnu/Desktop/AUCC/cow.txt
```





#!/ man grep

Syntax :

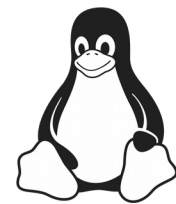
grep option 'kelime' dosyaadı

grep 'birden fazla kelime' dosya1 dosya2 dosya3

Options:

-r:Recursive -h:No path -v:Inverse match

-n:Line number -c:Count --color:Color word





`#! man cat && man sort`

Syntax :

`cat option dosyaadı`

`cat dosya1 dosya2 dosya3`

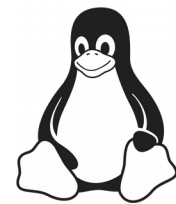
Output Redirection:

`cat dosya1 > dosya2`

`cat dosya1 >> dosya2`

`cat < dosya`

`cat dosya1 dosya2 | sort > dosya3`

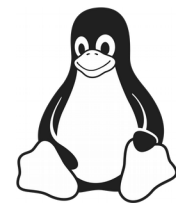




```
#! man less && man head && man tail  
ps aux | less
```

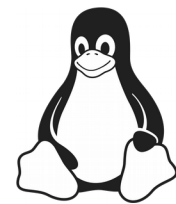
```
head processes.txt
```

```
tail processes.txt
```





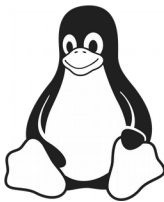
```
#!/ cat wildcards.txt  
* ? [0-9] {ab,cd}[a-d]  
rm *.txt  
  
cp *kelime*.txt  dizin  
  
rm us?r  
  
mv [A-Z]*  dizin   |   mv *[^abc]  dizin
```





#! USER COMMANDS

- Adduser / groupadd
- Deluser / delgroup
- Whoami
- Groups
- Passwd
- Usermod

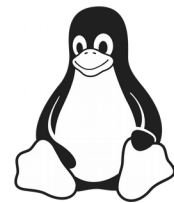




#! File permissions

```
-rw-r--r-- 1 root root 29 Nov 4 13:33 01.txt
```

User – group – others





#! man chmod

Syntax:

Chmod options dosyaadı

U = kullanıcı

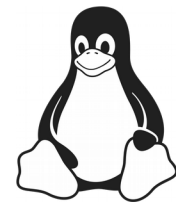
G = grup

O = diğer

Okuma (r) : 4

Yazma (w) : 2

Çalıştırma (x) : 1



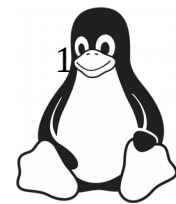


```
#!/man chmod  
chmod u=rwx,g=rx,o=r dosyaadi
```

```
chmod 777 dosyaadi
```

```
Chmod 700 dosyaadi
```

```
Chmod o-wx dosyaadi
```



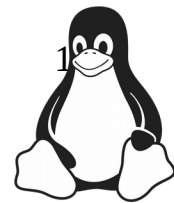


```
#!/man chmod  
chmod u=rwx,g=rx,o=r dosyaadi
```

```
chmod 777 dosyaadi
```

```
Chmod 700 dosyaadi
```

```
Chmod o-wx dosyaadi
```





#!/ man apt-get

APT(Advanced Package Tool)

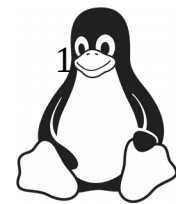
apt-get update

apt-get upgrade

apt-get install

apt-get remove

/var/cache/apt/archives





apt — A unified APT front end for the command line.

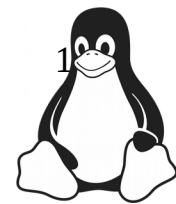
apt-cache — Get information about software packages available through APT.

apt-file — Search for individual files in all available APT packages.

apt-mark — Change or view the settings of individual APT packages.

aptitude — Text-based front end for the APT package management system.

dpkg — Install, remove, and maintain Debian software packages.





EOF

