

Polecenia w Linuxie

/usr

zainstalowane programy
system

path

/usr/bin

programy

/usr/lib

biblioteki

/usr/share

inne pliki, np. ikonky, dokumentacja

/usr/local/bin

lokalnie zainstalowane programy

/etc

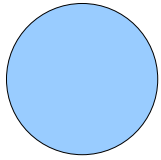
pliki konfiguracyjne systemu

/var

logi, pliki poczty, drukowania itp.

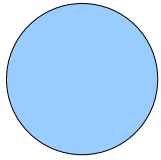
/home

katalogi użytkowników

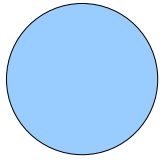


cd change directory

cd /home/greg
cd bin



/	cd /	najwyższy poziom
.	cd .	bieżący
..	cd ..	jeden wyżej
~	cd ~	domowy
~greg	cd ~greg	cd /home/greg



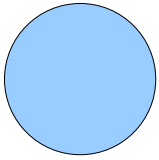
```
cd ~greg
```

```
cd bin
```

```
cd ../lib
```

```
pwd
```

```
print working directory
```



ls list

ls bin

ls -a list all

ls /usr/bin

ls -a ~greg

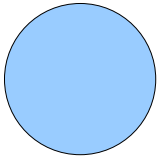
ls -d list directories

ls -l list long

ls -al

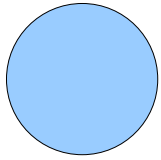
ls -ld

ls -ald



ls -al

```
drwxr-xr-x  30 greg users          4096 May 26 02:26 www
drwxr-xr-x   5 greg users          4096 Sep 23  2006 www.old
-rw-r-----  1 greg users 54007808 Nov  1  2006 wxv2001.mdb
drwx-----  3 greg users          4096 Sep 21  2001 .xauth
-rw-----  1 greg users           67 Sep 12  2006 .xauth0N8Ttu
```



touch

rm

remove

mv

move

cp

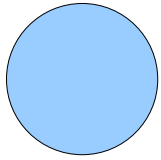
copy

mkdir

make directory

rmdir

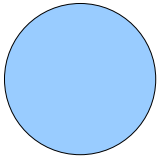
remove directory



ln link

ln -s soft link

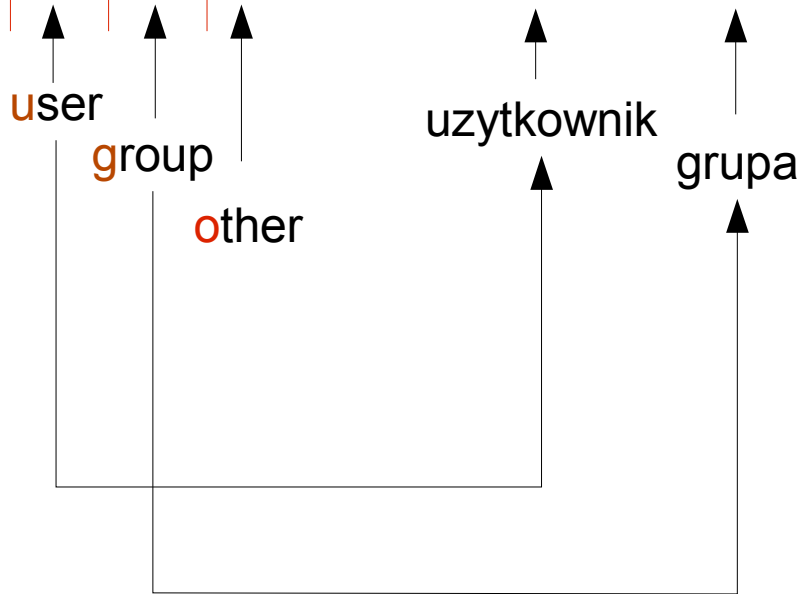
```
lrwxrwxrwx 1 greg greg 10 May 28 13:14 local -> /usr/local
```

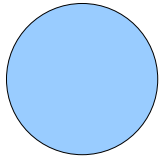


```
drwxr-xr-x  
drwxr-xr-x  
-rw-r-----  
drwx-----  
-rw-----
```

```
30 greg users  
5 greg users  
1 greg users  
3 greg users  
1 greg users
```

```
4096 May 26 02:26 www  
4096 Sep 23 2006 www.old  
54007808 Nov 1 2006 wxv2001.mdb  
4096 Sep 21 2001 .xauth  
67 Sep 12 2006 .xauth0N8Ttu
```





chmod change mode

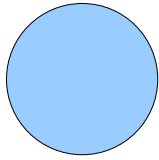
chown change owner

chgrp change group

chown -R recursive

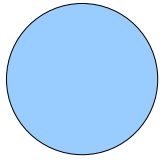
chown greg a.txt

chgrp -R users dane



```
chmod a+rw a.txt  
chmod u+x,o+rw a.csh  
chmod -R a-wX dane
```

u	user
g	group
o	other
a	all
+	
-	
r	read
w	write
x	execute



cat

more

less

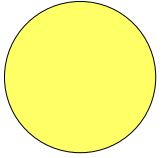
sort

cat a.txt

cat a.txt | more

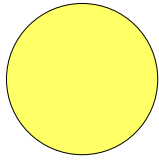
more a.txt

sort -n a.txt



ps

processes

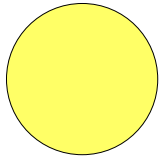


ps -elf

F	S	UID	PID	PPID	C	PRI	NI	ADDR	SZ	WCHAN	STIME	TTY	TIME	CMD
4	S	root	1	0	0	75	0	-	431	-	May04	?	00:00:04	init
1	S	root	2	1	0	-40	-	-	0	migrat	May04	?	00:00:01	[migr
1	S	root	3	1	0	94	19	-	0	ksofti	May04	?	00:00:03	[ksof
1	S	root	4	1	0	-40	-	-	0	migrat	May04	?	00:00:01	[migr

ps aux

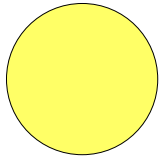
USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.0	1724	512	?	Ss	May04	0:04	init [5]
root	2	0.0	0.0	0	0	?	S	May04	0:01	[migration/0]
root	3	0.0	0.0	0	0	?	SN	May04	0:03	[ksoftirqd/0]
root	4	0.0	0.0	0	0	?	S	May04	0:01	[migration/1]
root	5	0.0	0.0	0	0	?	SN	May04	0:00	[ksoftirqd/1]



top

```
top - 00:35:35 up 23 days, 9:54, 4 users, load average: 1.13, 1.06, 1.01
Tasks: 142 total, 2 running, 140 sleeping, 0 stopped, 0 zombie
Cpu(s): 10.5% us, 0.5% sy, 0.0% ni, 88.6% id, 0.2% wa, 0.0% hi, 0.1% si
Mem: 1034920k total, 986968k used, 47952k free, 59220k buffers
Swap: 1959888k total, 51464k used, 1908424k free, 480160k cached
```

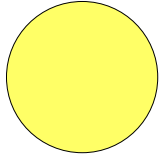
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
27800	greg	25	0	11256	1584	636	R	102	0.2	515:04.89	gnuchess
2481	greg	15	0	1960	908	688	R	2	0.1	0:00.01	top
1	root	15	0	1724	512	436	S	0	0.0	0:04.79	init
2	root	RT	0	0	0	0	S	0	0.0	0:01.40	migration/0
3	root	37	19	0	0	0	S	0	0.0	0:03.91	ksoftirqd/0
4	root	RT	0	0	0	0	S	0	0.0	0:01.20	migration/1
5	root	34	19	0	0	0	S	0	0.0	0:00.02	ksoftirqd/1
6	root	10	-5	0	0	0	S	0	0.0	0:00.75	events/0
7	root	10	-5	0	0	0	S	0	0.0	0:00.38	events/1
8	root	12	-5	0	0	0	S	0	0.0	0:00.01	khelper
9	root	10	-5	0	0	0	S	0	0.0	0:00.00	kthread
51	root	10	-5	0	0	0	S	0	0.0	0:00.41	kblockd/0
52	root	10	-5	0	0	0	S	0	0.0	0:00.37	kblockd/1



top

```
top - 00:35:35 up 23 days, 9:54, 4 users, load average: 1.13, 1.06, 1.01
Tasks: 142 total, 2 running, 140 sleeping, 0 stopped, 0 zombie
Cpu(s): 10.5% us, 0.5% sy, 0.0% ni, 88.6% id, 0.2% wa, 0.0% hi, 0.1% si
Mem: 1034920k total, 986968k used, 47952k free, 59220k buffers
Swap: 1959888k total, 51464k used, 1908424k free, 480160k cached
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
27800	greg	25	0	11256	1584	636	R	102	0.2	515:04.89	gnuchess
2481	greg	15	0	1960	908	688	R	2	0.1	0:00.01	top
1	root	15	0	1724	512	436	S	0	0.0	0:04.79	init
2	root	RT	0	0	0	0	S	0	0.0	0:01.40	migration/0
3	root	37	19	0	0	0	S	0	0.0	0:03.91	ksoftirqd/0
4	root	RT	0	0	0	0	S	0	0.0	0:01.20	migration/1
5	root	34	19	0	0	0	S	0	0.0	0:00.02	ksoftirqd/1
6	root	10	-5	0	0	0	S	0	0.0	0:00.75	events/0
7	root	10	-5	0	0	0	S	0	0.0	0:00.38	events/1
8	root	12	-5	0	0	0	S	0	0.0	0:00.01	khelper
9	root	10	-5	0	0	0	S	0	0.0	0:00.00	kthread
51	root	10	-5	0	0	0	S	0	0.0	0:00.41	kblockd/0
52	root	10	-5	0	0	0	S	0	0.0	0:00.37	kblockd/1



df

du

du -s .

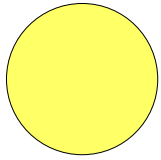
du -s ./*

du -s ./* | sort -n

mount

umount

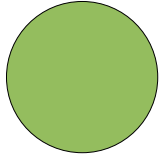
mount /dev/hda1 -t ext2 /mnt



which

which vi

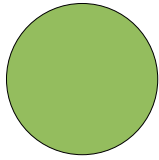
Is -al `which vi`



echo

echo "hello world"

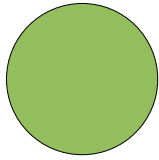
echo \$PATH



bash

```
a=1234  
echo $a
```

```
PATH=/home/greg/bin  
export PATH
```



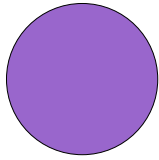
tcsch

set

```
set a=1234  
echo $a
```

setenv

```
setenv PATH /home/greg/bin
```

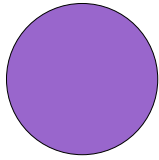


find

```
find /home/greg -name "a.txt" -print
```

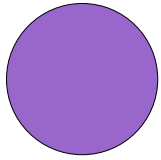
```
find . -name "*.txt" -exec rm {} \;
```

```
find /home -name "*.txt" -exec rm {} \;
```



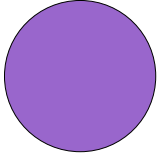
grep
egrep
fgrep

```
egrep "hello" a.txt  
egrep -i "hello" a.txt  
egrep -i "hello|world" a.txt  
egrep -v "hello" a.txt  
egrep "^hel" a.txt
```

awk

```
cat a.txt | awk '{ print $2 }'
```

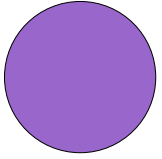


V

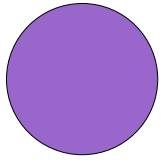
^

V V

^ ^



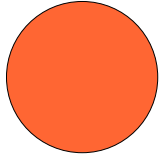
&



```
su          superuser  
whoami
```

```
su  
su -
```

```
su greg  
su - greg
```



finger
ping
traceroute
ifconfig
netstat

finger greg
ping astro.as.ap.krakow.p
traceroute astro.as.ap.krakow.pl
ifconfig -a
netstat -i