1 Viewing file contents

1- File helps us recognizing the type of data contained in a computer file

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano dummy.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ file dummy.txt
dummy.txt: ASCII text
```

2- Renaming the file doesn't change its content or format. Even with a .pdf extension, the file's actual content remains as plain ASCII text

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ mv dummy.txt dummy.pdf
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ ls
dummy.pdf
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ file dummy.pdf
dummy.pdf: ASCII text
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ |
```

3- No, it would be hard to read and track context

4- More shows the entire document content in the same terminal Less shows the entire document content int a "running" terminal will only show contente of that document and nothig else

```
Less shows the entire document content int a "running" terminal vecontente of that document and nothig else

fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ more long.txt

1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
1
2
3
4
5
1
4
5
1
1
2
3
4
5
Head shows the 1st (10) lines of the document content
```

5- Head shows the 1st (10) lines of the document content

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ head long.txt
1
2
4
5
1
2
3
4
5
```

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ head -3 long.txt
1
2
3
```

7- Tail shows last 10 lines of document

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ tail long.txt
1
2
3
4
5
1
2
3
4
5
1
```

8-

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ tail -7 long.txt
4
5
1
2
3
4
5
```

9- Here, cat shows long.txt contente followed by dumdum.txt content

```
P- Here, cat shows long.txt contente followed by dumdum.txt content

fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ cat long.txt dumdum.txt

2
3
4
5
1
2
3
4
5
1
1
2
3
4
5
1
1
2
3
4
5
1
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
1
2
3
4
5
qwe
qwe
qwe
qwe
      qwe
qw
eqwe
```

10- Now dumdum.txt contente is displayed 1st followed by long.txt content

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ cat dumdum.txt long.txt
qwe
123
12
3
qwe
qwe
```

2 Redirecting IO

11-

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ man ls > man_ls.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ ls
dumdum.txt dummy.pdf long.txt man_ls.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano man_ls.txt
```

12-

```
fabio@LAPTOP-M3JOR46L:~/FileUtilities/docs$ man ls > man_ls.txt
fabio@LAPTOP-M3JOR46L:~/FileUtilities/docs$ ls
dumdum.txt dummy.pdf long.txt man_ls.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano man_ls.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ man echo
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ echo one > file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ ls
dumdum.txt dummy.pdf file.tmp long.txt man_ls.txt fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ echo "one" > file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ ls
dumdum.txt dummy.pdf file.tmp long.txt man_ls.txt
fabio@LAPTOP-M3JOR46L:~/FileUtilities/docs$ nano file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ echo two > file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ echo one > file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ echo two >> file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano file.tmp
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$
```

a)

```
GNU nano 6.2 file.tmp *
```

b)

```
GNU nano 6.2 file.tmp
one
two
```

c h j qwe t u v wqe

```
GNU nano 6.2
                                                                                  words.txt
   wqe
   qwe
    a
    a
    c
    b
   h
    t
    ٧
    c
    v
    b
    j
   u
b)
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano words.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ sort < words.txt > sorted_words.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano sorted_words.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano sorted_words.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano words.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$
    GNU nano 6.2
                                                                      sorted_words.txt
a
a
b
b
```

Sorted_words now contains words.txt contente sorted alphabetically

 Duplicate.txt becomes an empty file since we open duplicate to write on it (clearing it) and then we try to sort the empty document

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ cp words.txt duplicate.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano duplicate.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ sort < du
dumdum.txt dummy.pdf duplicate.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ sort < du
dumdum.txt dummy.pdf duplicate.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ sort < duplicate.txt
fabio@LAPTOP-M3JQR46L:~/FileUtilities/docs$ nano duplicate.txt</pre>
```

 a) As expected nothing is displayed, everything sent there is supposed to be discarded not displayed or saved

```
fabio@LAPTOP-M3JQR46L:/$ ls ./bin > ./dev/null
```

b) Only second command displays content since ping expects a destination address.

```
fabio@LAPTOP-M3JQR46L:/$ man ping
fabio@LAPTOP-M3JQR46L:/$ ping www.google.com
PING www.google.com (172.217.17.4) 56(84) bytes of data.
64 bytes from mad07s09-in-f4.1e100.net (172.217.17.4): icmp_seq=1 ttl=115 time=17.9 ms
64 bytes from mad07s09-in-f4.1e100.net (172.217.17.4): icmp_seq=2 ttl=115 time=19.3 ms
64 bytes from mad07s09-in-f4.1e100.net (172.217.17.4): icmp_seq=3 ttl=115 time=19.4 ms
64 bytes from mad07s09-in-f4.1e100.net (172.217.17.4): icmp_seq=4 ttl=115 time=114 ms
^C
---- www.google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3093ms
rtt min/avg/max/mdev = 17.911/42.674/114.068/41.223 ms
fabio@LAPTOP-M3JQR46L:/$ ^C
```

c) There was no diference since only errors messages would be discarded to /dev/null and there were no error messages

```
fabio@LAPTOP-M3JQR46L:/$ ping 2> /dev/null
fabio@LAPTOP-M3JQR46L:/$ ping /dev/null
ping: /dev/null: Name or service not known
fabio@LAPTOP-M3JQR46L:/$ ping 2> ./dev/null
fabio@LAPTOP-M3JQR46L:/$ ping 2> ./dev/null
FING www.google.com (172.217.17.4) 56(84) bytes of data.
64 bytes from mad07s09-in-f4.le100.net (172.217.17.4): icmp_seq=1 ttl=115 time=480 ms
64 bytes from mad07s09-in-f4.le100.net (172.217.17.4): icmp_seq=2 ttl=115 time=39.2 m
64 bytes from mad07s09-in-f4.le100.net (172.217.17.4): icmp_seq=3 ttl=115 time=582 ms
--- www.google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2043ms
rtt min/avg/max/mdev = 39.230/366.904/581.765/235.416 ms
```

3Tipes

15-

```
fabio@LAPTOP-M3JQR46L:~$ man ping | sort > manual_ls_sorted.txt
                                          Request IPv4 addresses on other interfaces.
                                          Request IPv6 addresses on other interfaces.
                                         Request IPv6 global-scope addresses.
Request IPv6 link-local addresses.
Request IPv6 site-local addresses.
                                IPv4 subject address.
IPv6 subject address.
Queries for IPv4 Addresses. There is one IPv4 specific flag.
Queries for IPv6 Addresses. There are several IPv6 specific flags.
                                 Queries for Node Names.
                                Show help for NI support.
Subject name. Fully-qualified domain name is always assumed.
Subject name. If it contains more than one dot, fully-qualified domain
                                 ipv4-all
                                 ipv6-all
                                 ipv6-global
ipv6-linklocal
                                 ipv6-sitelocal
                                 name is assumed.
                          [-I interface] [-l preload] [-m mark] [-M pmtudisc_option]
[-N nodeinfo_option] [-w deadline] [-W timeout] [-p pattern] [-Q tos]
[-s packetsize] [-S sndbuf] [-t ttl] [-T timestamp option] [hop...]
                           {destination}
                       {destination} (OS), consisting of: bits 0-1 (2 lowest bits) of separate data, and bits 2-7 (highest 6 bits) of Differentiated Services Codepoint (DSCP). In RFC2481 and (only timestamps), tsandaddr (timestamps and addresses) or tsprespec host1 (ping only) or hex number. (prohibit fragmentation, even local one), want (do PMTU discovery, fragment 0 (lowest bit) for reserved (currently being redefined as congestion Adaptive ping. Interpacket interval adapts to round-trip time, so that Allow pinging a broadcast address.
                       Allow pinging a broadcast address.
Audible ping.
```

16-

```
fabio@LAPTOP-M3JQR46L:~$ man chmod | wc 128 911 6508
```

```
fabio@LAPTOP-M3JQR46L:~$ cat tr.txt | tr 'a-z' 'A-Z'
123
QWE
QW
E
Q
QD
Q2
13
124
5
5
```

c)

```
fabio@LAPTOP-M3JQR46L:~$ cat tr.txt | tr 'a-z' 'A-Z' | tr -d '[aeiouAEIOU]' > result2.txt
fabio@LAPTOP-M3JQR46L:~$ cat result2.txt

123
QW
QW
QW
QD
Q2
13
124
5
5
6
6
6
```

18-

```
fabio@LAPTOP-M3JQR46L:~$ ls -l /bin
lrwxrwxrwx 1 root root 7 Sep 27 22:35 /bin -> usr/bin
fabio@LAPTOP-M3JQR46L:~$ ls -l /bin
lrwxrwxrwx 1 root root 7 Sep 27 22:35 /bin -> usr/bin
fabio@LAPTOP-M3JQR46L:~$ ls -l /bin | tr -s ' ' | cut -d ' ' -f 1,3,9 | tail -n 10
lrwxrwxrwx root /bin
fabio@LAPTOP-M3JQR46L:~$ ls -l /usr/bin | tr -s ' ' | cut -d ' ' -f 1,3,9 | tail -n 10
-rwxr-xr-x root zdiff
-rwxr-xr-x root zdump
-rwxr-xr-x root zdump
-rwxr-xr-x root zdump
-rwxr-xr-x root zforce
-rwxr-xr-x root zforce
-rwxr-xr-x root zgrep
-rwxr-xr-x root zjees
-rwxr-xr-x root zless
-rwxr-xr-x root zmew
fabio@LAPTOP-M3JQR46L:~$
```

4 Environment variables

```
19-A)
   fabio@LAPTOP-M3JQR46L:~$ echo $HOME
   /home/fabio
   fabio@LAPTOP-M3JQR46L:~$ printenv HOME
   /home/fabio
  b)
   fabio@LAPTOP-M3JQR46L:~/FileUtilities$ printenv PWD
   /home/fabio/FileUtilities
   fabio@LAPTOP-M3JQR46L:~/FileUtilities$ printenv HOME
   /home/fabio
   fabio@LAPTOP-M3JQR46L:~/FileUtilities$
  c)
  pwd makes it "print working directory"
   fabio@LAPTOP-M3JQR46L:/usr/bin$ printenv PWD
   /usr/bin
  d)
   fabio@LAPTOP-M3JQR46L:/usr/bin$ printenv HOME
   /home/fabio
  "Home" always refers to my /home directory/main directory.
  e)
   fabio@LAPTOP-M3JOR46L:~/FileUtilities$ ls
   docs ficheiro1.txt ficheiro2.txt table.csv
   fabio@LAPTOP-M3JQR46L:~/FileUtilities$ ls $HOME
   FileUtilities manual_ls_sorted.txt result2.txt tr.txt
   fabio@LAPTOP-M3JQR46L:~/FileUtilities$
```

fabio@LAPTOP-M3JQR46L:~/FileUtilities\$ cd \$HOME

fabio@LAPTOP-M3JQR46L:~\$

fabio@LAPTOP-M3JQR46L:~\$ set | less

```
BASH=/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extglob:extq
uote:force_fignore:globasciiranges:histappend:interactive_comments:login_she
ll:progcomp:promptvars:sourcepath
BASH_ALIASES=()
BASH_ARGC=([0]="0")
BASH_ARGV=()
BASH_CMDS=()
BASH_COMPLETION_VERSINFO=([0]="2" [1]="11")
BASH_LINENO=()
BASH_REMATCH=()
BASH_SOURCE=()
BASH_VERSINFO=([0]="5" [1]="1" [2]="16" [3]="1" [4]="release" [5]="x86_64-pc
-linux-gnu")
BASH_VERSION='5.1.16(1)-release'
COMP_WORDBREAKS=$' \t\n"\'><=; |&(:'
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus
DIRSTACK=()
DISPLAY=:0
EUID=1000
GROUPS=()
HISTCONTROL=ignoreboth
HISTFILE=/home/fabio/.bash_history
HISTFILESIZE=2000
HISTSIZE=1000
HOME=/home/fabio
HOSTNAME=LAPTOP-M3JOR46L
HOSTTYPE=x86_64
IFS=$' \t n'
LANG=C.UTF-8
LESSCLOSE='/usr/bin/lesspipe %s %s'
LESSOPEN='| /usr/bin/lesspipe %s'
LINES=43
LOGNAME=fabio
LS_COLORS='rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;
01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;4
2:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01
;31:*.lha=01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31
:*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=0
1;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:
*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar
```

```
[ -z "$AWKPATH" ] && AWKPATH=`gawk 'BEGIN {print ENVIRON["AWKPATH"]}'';
    export AWKPATH="$AWKPATH:$*"
gawkpath_default ()
    unset AWKPATH;
    export AWKPATH=`gawk 'BEGIN {print ENVIRON["AWKPATH"]}'`
gawkpath_prepend ()
    [ -z "$AWKPATH" ] && AWKPATH=`gawk 'BEGIN {print ENVIRON["AWKPATH"]}'`;
    export AWKPATH="$*:$AWKPATH"
quote ()
    local quoted=${1//\'/\'\\'\};
    printf "'%s'" "$quoted"
quote_readline ()
    local ret;
    _quote_readline_by_ref "$1" ret;
    printf %s "$ret"
fabio@LAPTOP-M3JQR46L:~$ echo "Screen size: $COLUMNS x $LINES"
Screen size: 76 x 43
fabio@LAPTOP-M3JQR46L:~$ echo "Screen size: $COLUMNS x $LINES"
Screen size: 76 x 25
```

b) Random generates a random number between [0, 32767], 32767 is because it uses 15bits.

This range is chosen because internally, the algorithm generating the pseudorandom number uses this data type for computational efficiency.

```
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
12992
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
24076
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
15704
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
16216
fabio@LAPTOP-M3JQR46L:~$
```

```
fabio@LAPTOP-M3JQR46L:~$ RANDOM=1
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
16807
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
10791
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
19566
fabio@LAPTOP-M3JQR46L:~$ RANDOM=1
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
16807
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
10791
fabio@LAPTOP-M3JQR46L:~$ echo $RANDOM
19566
fabio@LAPTOP-M3JQR46L:~$
```

21- A) b)

```
fabio@LAPTOP-M3JQR46L:~$ site1=www.google.com
fabio@LAPTOP-M3JQR46L:~$ site2=www.not.a.website.com
fabio@LAPTOP-M3JQR46L:~$ ping -c 1 $site1
PING www.google.com (216.58.215.132) 56(84) bytes of data.
64 bytes from mad41s04-in-f4.1e100.net (216.58.215.132): icmp_seq=1 ttl=115
time=31.5 ms
--- www.google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 31.542/31.542/31.542/0.000 ms
```

c) Site did not replied

```
fabio@LAPTOP-M3JQR46L:~$ ping -c 1 $site2
ping: www.not.a.website.com: Name or service not known
```

```
d)
fabio@LAPTOP-M3JQR46L:~$ ping -c 1 "$site1" && echo "Ping to $site1 successf
ul" || echo "Ping to $site1 failed"
PING www.google.com (216.58.215.132) 56(84) bytes of data.
64 bytes from mad41s04-in-f4.1e100.net (216.58.215.132): icmp_seq=1 ttl=115
time=1057 ms
  -- www.google.com ping statistics -
1 packets transmitted, 1 received, 0% packet loss, time 0ms rtt min/avg/max/mdev = 1056.983/1056.983/1056.983/0.000 ms
Ping to www.google.com successful
fabio@LAPTOP-M3JQR46L:~$
Fabio@LAPTOP-M3JQR46L:~$ ping -c 1 "$site2" && echo "Ping to $site2 successf
ul" || echo "Ping to $site2 failed"
ping: www.not.a.website.com: Name or service not known
Ping to www.not.a.website.com failed
e)
fabio@LAPTOP-M3JQR46L:~$ unset site1
fabio@LAPTOP-M3JQR46L:~$ unset site2
fabio@LAPTOP-M3JQR46L:~$ echo $site1 $site2
fabio@LAPTOP-M3JQR46L:~$ echo $site1
fabio@LAPTOP-M3JQR46L:~$
     22-
      a)
fabio@LAPTOP-M3JQR46L:~$ sleep 5
fabio@LAPTOP-M3JQR46L:~$ sleep 1000
b)
fabio@LAPTOP-M3JQR46L:~$ sleep 5
fabio@LAPTOP-M3JQR46L:~$ sleep 1000
^C
c)running
 fabio@LAPTOP-M3JQR46L:~$ sleep 1000 &
 [2] 1109
 fabio@LAPTOP-M3JQR46L:~$ jobs
          Stopped
 [1]+
                                                 man env
                                                 sleep 1000 &
          Running
```

```
d)
```

```
fabio@LAPTOP-M3JQR46L:~$ sleep 1000
^A^A^Z
[4]+ Stopped
                               sleep 1000
fabio@LAPTOP-M3JQR46L:~$ bg %2
-bash: bg: job 2 already in background
fabio@LAPTOP-M3JQR46L:~$ bg %4
[4]+ sleep 1000 &
fabio@LAPTOP-M3JQR46L:~$ jobs
[1]+
      Stopped
                               man env
[2]
      Running
                               sleep 1000 &
                               sleep 1000 &
[3]
      Running
                               sleep 1000 &
[4] –
      Runnina
```

e) i "killed job 4 by pressing ctrl C when he was in foreground.

```
fabio@LAPTOP-M3JQR46L:~$ fg %4
sleep 1000
^C
fabio@LAPTOP-M3JQR46L:~$ bg %4
-bash: bg: %4: no such job
fabio@LAPTOP-M3JQR46L:~$ jobs
[1]+ Stopped
                               man env
[2]
      Running
                               sleep 1000 &
                               sleep 1000 &
      Running
```

23-A)

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ curl -s -XGET https://www.gutenberg.o
rg/cache/epub/100/pg100.txt
```

b)No. Because here curl makes text to appear in console

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ curl -s -XGET https://www.gutenberg.o
rg/cache/epub/100/pg100.txt &
```

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ curl -s -XGET https://www.gutenberg.o
rg/cache/epub/100/pg100.txt -o WorksOfShakespeare.txt &
[2] 1129
```

this way shell remains free to use since text is being saved and not shown

24- A) b)

```
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ sleep 500 &
[4] 1132
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ sleep 500 &
[5] 1133
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ sleep 500 &
[6] 1134
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ ps -u $(whoami) | grep sleep
                 00:00:00 sleep
00:00:00 sleep
   1131 pts/0
   1132 pts/0
1133 pts/0
1134 pts/0
                  00:00:00 sleep
                 00:00:00 slee
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ kill 12345
kill 12346
kill 12347
-bash: kill: (12345) - No such process
-bash: kill: (12346) - No such process
-bash: kill: (12347) - No such process
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ kill 12345
kill 12346
kill 12347
-bash: kill: (12345) - No such process
-bash: kill: (12346) - No such process
-bash: kill: (12347) - No such process
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ kill 1131
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ kill 1131
-bash: kill: (1131) - No such process
[3] Terminated
                               sleep 500
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ kill 1131 kill 1132 kill 1133 kill 11
34
-bash: kill: (1131) - No such process
-bash: kill: kill: arguments must be process or job IDs
-bash: kill: kill: arguments must be process or job IDs
-bash: kill: kill: arguments must be process or job IDs
fabio@LAPTOP-M3JQR46L:~/FileUtilities$ ps -u $(whoami) | grep sleep
[4]
                               sleep 500
      Terminated
[5]
                               sleep 500
      Terminated
[6]- Terminated
                               sleep 500
fabio@LAPTOP-M3JQR46L:~/FileUtilities$
```