

# Praktikum 15

```
tsabita@localhost:~$ nano BBS-list
```

```
GNU nano 2.2.6      File: BBS-list      Modified

hardw@k 555-5553 1200/300 B
alpo-net 555-3412 2400/1200/300 A
barfly 555-7685 1200/300 A
bites 555-1675 2400/1200/300 A
canelot 555-0542 300 C
cune 555-2912 1200/300 C
foeey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 55-6480 1200/300 A
s@ace 555-9430 2400/1200/300 A
sabafoo 555-2127 1200/300 C

Nano File untuk di-Tulis: BBS-list
^G Bantuan      ^O Format DOS    ^R Tambah
^C Batal        ^M Format Mac   ^S Tambah      ^B Backup File
```

```
tsabita@localhost:~$ awk '/foo/ { print $0 }' BBS-list
foeey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 55-6480 1200/300 A
sabafoo 555-2127 1200/300 C
tsabita@localhost:~$ nano inventory-shipped
```

```
GNU nano 2.2.6      File: inventory-shipped      Modified

Jan 13 25 15 115
Feb 15 32 24 226
Mar 15 24 34 228
Apr 31 52 63 420
May 16 34 39 208
Jun 31 42 75 492
Jul 24 34 67 436
Aug 15 34 47 316
Sep 13 55 37 277
Oct 29 54 68 525
Nov 20 87 82 577
Dec 17 35 61 401

Jan 21 36 64 620
Feb 26 58 98 652
Mar 24 75 70 495
Apr 21 79 74 514

Nano File untuk di-Tulis: inventory-shipped
^G Bantuan      ^O Format DOS    ^R Tambah
^C Batal        ^M Format Mac   ^S Tambah      ^B Backup File
```

```

tsabita@localhost:~$ awk '/foo/ { print $0 }' inventory-shipped
tsabita@localhost:~$ awk ' { print $0 }' inventory-shipped
Jan 13 25 15 115
Feb 15 32 24 226
Mar 15 24 34 228
Apr 31 52 63 420
May 16 34 39 208
Jun 31 42 75 492
Jul 24 34 67 436
Aug 15 34 47 316
Sep 13 55 37 277
Oct 29 54 68 525
Nov 20 87 82 577
Des 17 35 61 401

Jan 21 36 64 620
Feb 26 58 80 652
Mar 24 75 70 495
Apr 21 70 74 514
tsabita@localhost:~$ _

```

```
tsabita@localhost:~$ nano data_
```

```

GNU nano 2.2.6      File: data_      Modified
This is first line
This is second line
This is third line

Nana File untuk di-Tulis: data_
  Ctrl-Bantuan  Ctrl-D Format DOS  Ctrl-N Tambah  Ctrl-S Backup File
  Ctrl-Datal  Ctrl-H Format Mac  Ctrl-T Tambah

```

```

tsabita@localhost:~$ awk ' { if (length($0) > max) max = length($0) } END { print max }' data
19
tsabita@localhost:~$ awk 'length($0) > 80' data
tsabita@localhost:~$ expand data | awk ' { if (x<length()) x=length() } END { print "maximum line l
length is " x }'
maximum line length is 19
tsabita@localhost:~$ awk 'NF > 0' data
This is first line
This is second line
This is third line
tsabita@localhost:~$ awk 'BEGIN { for (i = 1; i <= 7; i++) print int(101 * rand() ) }'
24
29
95
15
59
19
81

```

```

tsabita@localhost:~$ ls -l | awk '{ x += $5 } END { print "total bytes: " x }'
total bytes: 1270
tsabita@localhost:~$ ls -l | awk '{ x += $5 } END { print "totalbK-bytes: " x / 1024 }'
totalbK-bytes: 1.24023
tsabita@localhost:~$ awk -F: '{ print $1 }' /etc/passwd | sort
backup
bin
daemon
games
gnats
irc
landscape
libuid
list
lp
mail
man
messagebus
news
nobody
proxy
root
sync
sys
syslog
tsabita
ucp
www-data
tsabita@localhost:~$ awk 'END { print NR }' data
3
tsabita@localhost:~$ awk 'NR % 2 ==0' data
This is second line
tsabita@localhost:~$

```

```
tsabita@localhost:~$ awk ' /12/ { print $0 } /21/ { print $0 } ' BBS-list inventory-shipped
aardvark 555-5553 1200/300 B
alpo-met 555-3412 2400/1200/300 A
barfly 555-7685 1200/300 A
bites 555-1675 2400/1200/300 A
core 555-2912 1200/300 C
foosey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 55-6480 1200/300 A
sdace 555-3430 2400/1200/300 A
sabafoo 555-2127 1200/300 C
sabafoo 555-2127 1200/300 C
Jan 21 36 64 620
Apr 21 70 74 514
tsabita@localhost:~$ ls -l
total 120
-rwxr-xr-x 1 tsabita tsabita 84 Jan 10 20:41 backup.sh
-rw-rw-r-- 1 tsabita tsabita 310 Jan 22 10:05 BBS-list
-rw-rw-r-- 1 tsabita tsabita 140 Jan 10 20:32 bits.tar.gz
-rw-rw-r-- 1 tsabita tsabita 17 Jan 10 20:31 bits.txt
-rw-rw-r-- 1 tsabita tsabita 50 Jan 22 10:51 data
-rw-rw-r-- 1 tsabita tsabita 273 Jan 22 10:20 inventory-shipped
-rw-rw-r-- 1 tsabita tsabita 74 Jan 22 08:56 program
-rw-rw-r-- 1 tsabita tsabita 69 Jan 22 09:00 program
-rwxr-xr-x 1 tsabita tsabita 168 Jan 22 09:09 program
-rwxr-xr-x 1 tsabita tsabita 69 Jan 22 09:37 script.awk
```

```
tsabita@localhost:~$ awk 'BEGIN { \
> print \
> "Hello, world"\
> }'
Hello, world
tsabita@localhost:~$ _
```