

Praktikum 15

```
tsabitaa@localhost:~$ nano BBS-list
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GNU nano 2.2.6          File: BBS-list          Modified

aardvark 555-5553 1200/300 B
alpo-net 555-3412 2400/1200/300 A
barfis 555-7689 1200/300 A
bitter 555-1234 2400/1200/300 A
camerlot 555-9542 300 C
core 555-2912 1200/300 C
fooy 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

Nano File untuk di-Tulis: BBS-list
^G Bantuan      ^D Format DOS      ^A-Tambah      ^B Backup File
^C Batal        ^M Format Mac      ^E-Tambah
```

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

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

Jan 13 25 15 115
Feb 15 32 24 226
Mar 14 31 20 230
Apr 31 52 63 428
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 29 87 82 577
Dec 17 35 61 401

Jan 21 36 64 620
Feb 26 58 80 652
Mar 24 75 70 495
Apr 21 70 74 514

Nano File untuk di-Tulis: inventory-shipped
^G Bantuan      ^D Format DOS      ^A-Tambah      ^B Backup File
^C Batal        ^M Format Mac      ^E-Tambah
```

```

tsabitaa@localhost:~$ awk '/foo/ { print $0 }' inventory shipped
tsabitaa@localhost:~$ awk '{ print $0 }' inventory shipped
Jan 13 25 15 115
Feb 15 32 24 226
Mar 15 24 34 228
Apr 31 52 63 420
May 16 34 39 208
Jun 31 42 75 492
Jul 24 34 67 436
Aug 15 34 47 316
Sep 13 55 37 277
Oct 29 54 68 525
Nov 20 87 82 577
Dec 17 35 61 401
Jan 21 36 64 620
Feb 26 58 80 652
Mar 24 75 70 495
Apr 21 70 74 514
tsabitaa@localhost:~$ _

```

tsabitaa@localhost:~\$ nano data_

```

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

File untuk di-tulis: data
26 Bantuan   F-P Format DOS      T-B Tanbah      F-B Backup File
26 Batal    F-M Format Mac      T-B Tanbah

```

```

tsabitaa@localhost:~$ awk '{ if (length($0) > max) max = length($0) } END { print max }' data
19
tsabitaa@localhost:~$ awk 'length($0) > 80' data
tsabitaa@localhost:~$ expand data | awk '{ if (x<length()) x=length() } END { print "maximum line length is " x }'
maximum line length is 19
tsabitaa@localhost:~$ awk 'NF > 0' data
This is first line
This is second line
This is third line
tsabitaa@localhost:~$ awk 'BEGIN { for (i = 1; i <= 7; i++) print int(101 * rand()) }'
24
29
85
15
59
19
31

```

```

tsabitaa@localhost:~$ ls -l | awk '{ x += $5 } END { print "total bytes: " x }'
total bytes: 1270
tsabitaa@localhost:~$ ls -l | awk '{ x += $5 } END { print "totalbK-bytes: " x / 1024 }'
totalbK-bytes: 1.24023
tsabitaa@localhost:~$ awk -F: '$1 == $4' /etc/passwd | sort
backup
bin
daemon
games
gnats
irc
landscape
libaudit
list
lp
mail
man
messagebus
news
nobody
proxy
root
sys
sus
syslog
tsabitaa
uucp
uu-data
tsabitaa@localhost:~$ awk 'END { print NR }' data
3
tsabitaa@localhost:~$ awk 'NR < 2 == 0' data
This is second line
tsabitaa@localhost:~$ 
```

```
tsabita@localhost:~$ awk '{ print $0 }' >1> { print $0 }' BBS-list inventory-shipped
cardwhi 555-5553 1200/300 B
h1ywt 555-2412 2400/1200/300 A
barly 555-7685 1200/300 A
hites 555-1675 2400/1200/300 A
core 555-2912 1200/300 C
fooy 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 55-6480 1200/300 A
sdace 555-3456 1200/1200/300 A
sabafoo 555-2127 1200/300 C
sabafoo 555-2127 1200/300 C
Jan 21 36 64 629
Apr 21 70 74 514
tsabita@localhost:~$ ls -l
total 120
-rwxrwxr-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 141 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 59 Jan 22 09:37 bits.txt
-rw-rw-r-- 1 tsabita tsabita 273 Jan 22 10:20 inventory-shipped
-rw-rw-r-- 1 tsabita tsabita 74 Jan 22 08:56 pogram
-rw-rw-r-- 1 tsabita tsabita 69 Jan 22 09:00 program
-rwxrwxr-x 1 tsabita tsabita 168 Jan 22 09:09 program
-rwxrwxr-x 1 tsabita tsabita 69 Jan 22 09:37 script.awk
```

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