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Ubuntu 14.04.6 LTS ubuntu tty1
ubuntu login: mufida
Password:
Last login: Tue Jan 13 17:50:28 WIB 2026 on tty1
Welcome to Ubuntu 14.04.6 LTS (GNU/Linux 4.4.0-142-generic i686)

 * Documentation:  https://help.ubuntu.com/

System information as of Thu Jan 22 08:30:02 WIB 2026

System load: 0.0          Memory usage: 1%    Processes:      87
Usage of /:  4.7% of 22.27GB    Swap usage:  0%    Users logged in: 0

Graph this data and manage this system at:
https://landscape.canonical.com/

41 packages can be updated.
32 updates are security updates.

Your Hardware Enablement Stack (HWE) is supported until April 2019.
mufida@ubuntu:~$ awk "BEGIN { print \"mufida\"}"
mufida
mufida@ubuntu:~$ awk '{print }'
hallo mufida
hallo mufida
mufida@ubuntu:~$

```

```
mufida@ubuntu:~$ nano program_
```

```
BEGIN { print "I wonder this a long program" }_
```

[Wrote

```
mufida@ubuntu:~$ awk -f program
```

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mufida@ubuntu:~$ awk -f program
I wonder this a long program
mufida@ubuntu:~$

```

```

mufida@ubuntu:~$ awk -f program
I wonder this a long program
mufida@ubuntu:~$ nano program_

```

GNU nano 2.2.6

file: program

```

BEGIN { print "I wonder this a long program" }
#! /usr/bin/awk -f
BEGIN { print "I wonder this is a long program" }_

```

```
mufida@ubuntu:~$ chmod +x program
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<
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```
mufida@ubuntu:~$ chmod +x program
mufida@ubuntu:~$ ./program
```

```
<
```

```
mufida@ubuntu:~$ chmod +x program
mufida@ubuntu:~$ ./program
I wonder this is a long program
mufida@ubuntu:~$
```

```
mufida@ubuntu:~$ nano program_
```

```
<
```

```
GNU nano 2.2.6
```

```
File: program
```

```
#!/usr/bin/awk -f
```

```
# this program prints a nice friendly message.
# It helps keep novice user from miss understanding.
```

```
BEGIN { print "This program contains comments" }_
```

```
mufida@ubuntu:~$ chmod +x program
mufida@ubuntu:~$ ./program
This program contains comments
mufida@ubuntu:~$ _
```

```
<
```

```
mufida@ubuntu:~$ chmod +x program
mufida@ubuntu:~$ ./program
This program contains comments
mufida@ubuntu:~$ awk '{ print "Hello" } # lets be cute'
= Hello
Hello
^O
Hello
mufida@ubuntu:~$ _
```

```
mufida@ubuntu:~$ awk "BEGIN { print \"Don't Panic\" }"
Don't Panic
mufida@ubuntu:~$
```



```

mufida@ubuntu:~$ awk '/12/ { print $0 } /121/ { print $0 }' BBS-list inventory-shipped
aardvark 555-5553 1200/300 B
alpo-net 555-3412 2400/1200/300 A
barfly 555-7685 1200/300 A
bites 555-1675 2400/1200/300 A
core 555-2912 1200/300 C
fooeey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 555-6480 1200/300 A
sdace 555-3430 2400/1200/300 A
sabafoo 555-2127 1200/300 C
mufida@ubuntu:~$ _

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<

sabafoo 555-2127 1200/300 C

```

mufida@ubuntu:~$ ls -l
total 540
-rwxrwxr-x 1 mufida mufida 83 Jan 13 17:57 backup.sh
-rw-rw-r-- 1 mufida mufida 313 Jan 22 10:00 BBS-list
-rwxrwxr-x 1 mufida mufida 55 Jan 13 17:53 cloud.sh
-rw-rw-r-- 1 mufida mufida 29 Jan 22 09:35 data.txt
-rw-r--r-- 1 root root 525372 Jan 13 17:58 etc_backup.tar.gz
-rw-rw-r-- 1 mufida mufida 274 Jan 22 10:22 inventory-shipped
-rwxrwxr-x 1 mufida mufida 170 Jan 22 09:09 program
mufida@ubuntu:~$ ls -l | awk '$6 == "Nov" { sum += $5 } END {print "Total byte November:", sum }'
Total byte November:
mufida@ubuntu:~$

```

```

-rwxrwxr-x 1 mufida mufida 170 Jan 22 09:09 program
mufida@ubuntu:~$ ls -l | awk '$6 == "Nov" { sum += $5 } END {print "Total byte November:", sum }'
Total byte November:
mufida@ubuntu:~$ awk 'BEGIN {
> "HELLO, WORLD" \
> }'
awk: cmd. baris:1: BEGIN {
awk: cmd. baris:1: ^ tidak terduga baris baru atau akhir dari string
mufida@ubuntu:~$ awk 'BEGIN {
> "HELLO, WORLD" \
> }'
mufida@ubuntu:~$

```

```

mufida@ubuntu:~$ awk 'BEGIN { \
> print \
> "hello, world"\
> }'
hello, world
mufida@ubuntu:~$ nano data

```

GNU nano 2.2.6

```

This is first line
This is second line
This is third line

```

```

mufida@ubuntu:~$ awk '{ if (length($0) > max) max = length($0) } END { print max }' data
19
mufida@ubuntu:~$

```

```

mufida@ubuntu:~$ awk '{ if (length($0) > max) max = length($0) } END { print max }' data
19
mufida@ubuntu:~$ expand data | awk '{ if (x<length() ) x=length()} END { print "maximum line length
is " x }'
awk: cmd. baris:1: ( if (x<length() ) x=length()) END { print "maximum line length is " x )
^ syntax error
awk: cmd. baris:1: ( if (x<length() ) x=length()) END { print "maximum line length is " x )
^ syntax error
awk: cmd. baris:1: ( if (x<length() ) x=length()) END { print "maximum line length is " x )
^ syntax error
awk: cmd. baris:1: ( if (x<length() ) x=length()) END { print "maximum line length is " x )
^ syntax error
awk: cmd. baris:2: ( if (x<length() ) x=length()) END { print "maximum line length is " x )
^ tidak t
erduga baris baru atau akhir dari string
mufida@ubuntu:~$ expand data | awk '{ if (x < length() ) x=length() } END { print "maximum line leng
th is " x }'
maximum line length is 19
mufida@ubuntu:~$ awk 'NF > 0' data
This is first line
This is second line
This is third line
mufida@ubuntu:~$ _

```

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maximum line length is 19
mufida@ubuntu:~$ awk 'NF > 0' data
This is first line
This is second line
This is third line
mufida@ubuntu:~$ awk 'BEGIN { for (i = 1; i <= 7; i++) print int (101 * rand () ) }'
24
29
85
15
59
19
81
mufida@ubuntu:~$

```

```

01
mufida@ubuntu:~$ ls -l | awk '{ x += $5 } END { print "total bytes: " x }'
total bytes: 526354
mufida@ubuntu:~$

```

```

mufida@ubuntu:~$ ls -l | awk '{ x += $5 } END { print "total bytes: " x }'
total bytes: 526354
mufida@ubuntu:~$ ls -l | awk '{ x += $5 } END { print "total K-bytes: " x/1024b }'
total K-bytes: 514.018
mufida@ubuntu:~$ awk -f '{ print $1 }' /etc/passwd
awk: fatal: tidak dapat membuka berkas sumber '{ print $1 }' untuk pembacaan (Tidak ada berkas atau
direktori seperti itu)
mufida@ubuntu:~$ awk -F: '{ print $1 }' /etc/passwd | sort
backup
bin
daemon
games
gnats
irc
landscape
libuuid
list
lp
mail
man
messagebus
mufida
news
nobody
proxy
root
sync
sys
syslog
uucp
www-data
mufida@ubuntu:~$ _

```

```

mufida@ubuntu:~$ awk 'END { print NR }' data
3
mufida@ubuntu:~$ awk 'NR % 2 == 0' data
This is second line
mufida@ubuntu:~$ awk '/12/ { print $0 }
> /21/ { print $0 }' BBS-list inventory-shipped
aardvark 555-5553 1200/300 B
alpo-net 555-3412 2400/1200/300 A
barfly 555-7685 1200/300 A
bites 555-1675 2400/1200/300 A
core 555-2912 1200/300 C
foeey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 555-6480 1200/300 A
sdace 555-3430 2400/1200/300 A
sabafoo 555-2127 1200/300 C
sabafoo 555-2127 1200/300 C
Jan 21 36 64 620
Apr 21 70 74 514
mufida@ubuntu:~$ _

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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
mufida@ubuntu:~$ ls -l
total 544
-rwxrwxr-x 1 mufida mufida 83 Jan 13 17:57 backup.sh
-rw-rw-r-- 1 mufida mufida 313 Jan 22 10:00 BBS-list
-rwxrwxr-x 1 mufida mufida 55 Jan 13 17:53 cloud.sh
-rw-rw-r-- 1 mufida mufida 58 Jan 22 10:52 data
-rw-rw-r-- 1 mufida mufida 29 Jan 22 09:35 data.txt
-rw-r--r-- 1 root root 525372 Jan 13 17:58 etc_backup.tar.gz
-rw-rw-r-- 1 mufida mufida 274 Jan 22 10:22 inventory-shipped
-rwxrwxr-x 1 mufida mufida 170 Jan 22 09:09 program
mufida@ubuntu:~$ LC_ALL = C ls -l | awk '$6 == "Nov" { sum += $5 } END { print sum }'
LC_ALL: perintah tidak ditemukan
mufida@ubuntu:~$ awk '/12/ { print $0 }
> /21/ { print $0 }' BBS-list inventory-shipped
aardvark 555-5553 1200/300 B
alpo-net 555-3412 2400/1200/300 A
barfly 555-7685 1200/300 A
bites 555-1675 2400/1200/300 A
core 555-2912 1200/300 C
foeey 555-1234 2400/1200/300 B
foot 555-6699 1200/300 B
macfoo 555-6480 1200/300 A
sdace 555-3430 2400/1200/300 A
sabafoo 555-2127 1200/300 C
sabafoo 555-2127 1200/300 C
Jan 21 36 64 620
Apr 21 70 74 514
mufida@ubuntu:~$ awk '/This regular expression is too long, so continue it\ on the next line/ {
t $1 }'
mufida@ubuntu:~$

```