

Számítógép architektúrák

BSc

1. Gyak

2023. 10. 09.

Készítette:

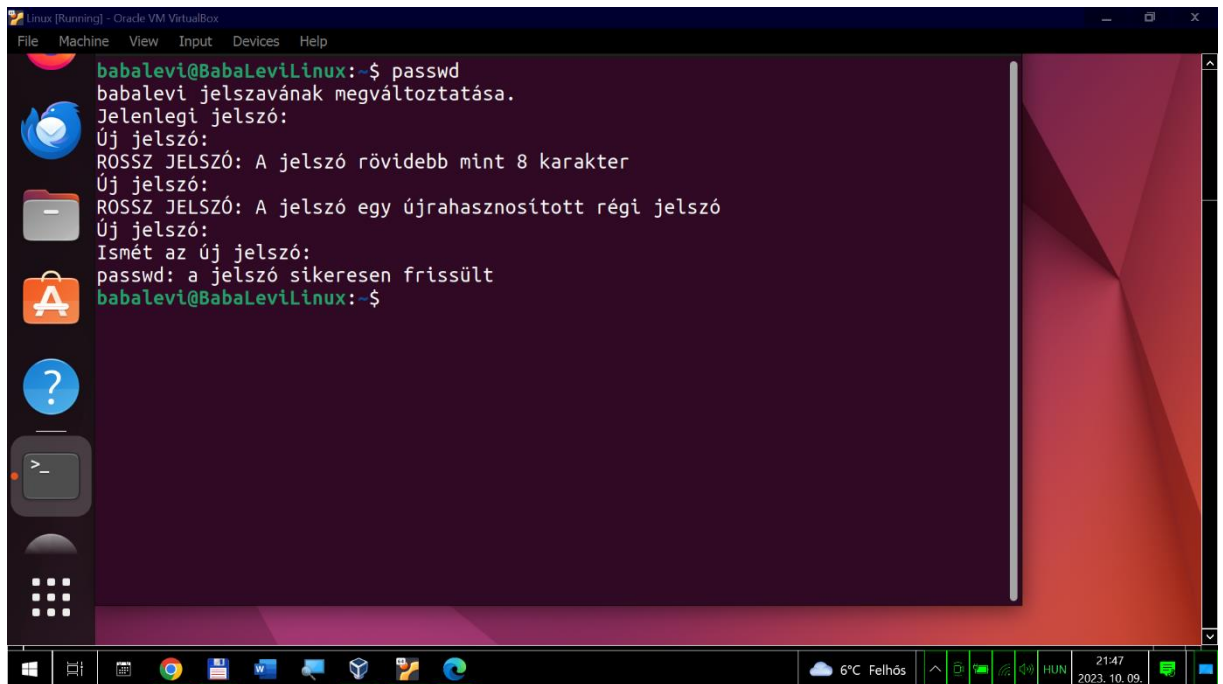
Baba Levente Bsc

Prog. inf.

HLFA5R

Miskolc, 2023

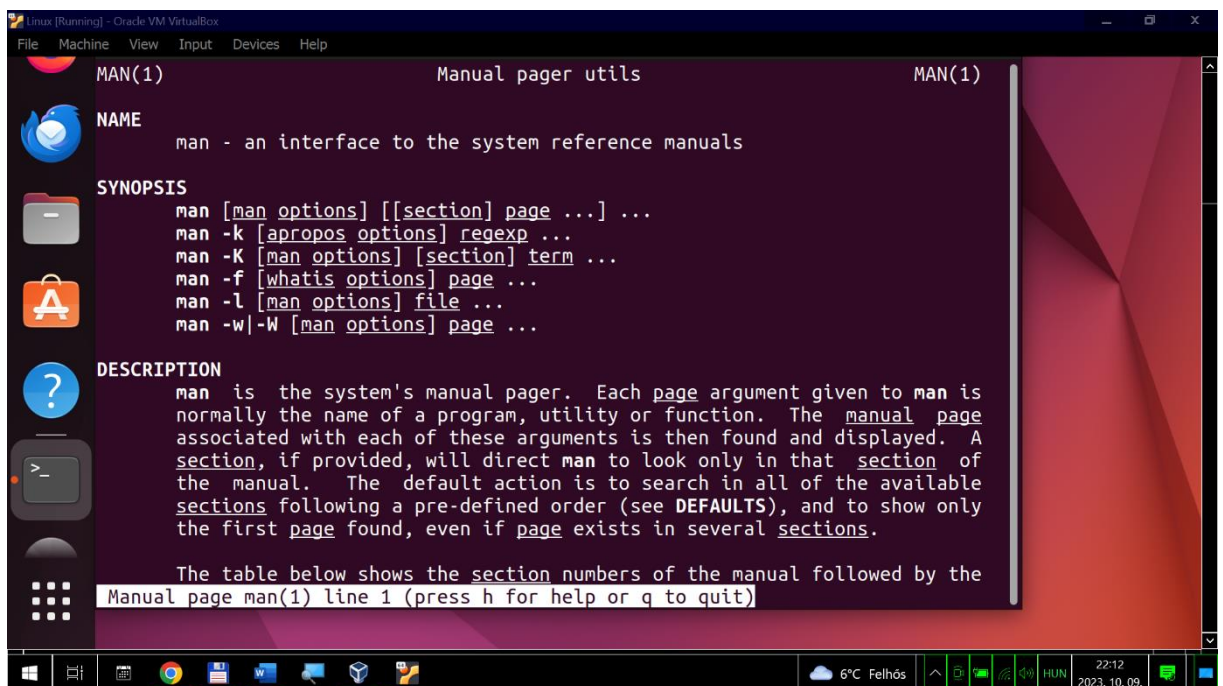
a. Változtassa meg a jelszavát!



```
Linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

babalevi@BabaLeviLinux:~$ passwd
babalevi jelszavának megváltoztatása.
Jelenlegi jelszó:
Új jelszó:
ROSSZ JELSZÓ: A jelszó rövidebb mint 8 karakter
Új jelszó:
ROSSZ JELSZÓ: A jelszó egy újrahasznosított régi jelszó
Új jelszó:
Ismét az új jelszó:
passwd: a jelszó sikeresen frissült
babalevi@BabaLeviLinux:~$
```

b. Jelenítse meg a rendszer kézikönyv gyűjteményét!



```
Linux [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

MAN(1)                                Manual pager utils                                MAN(1)

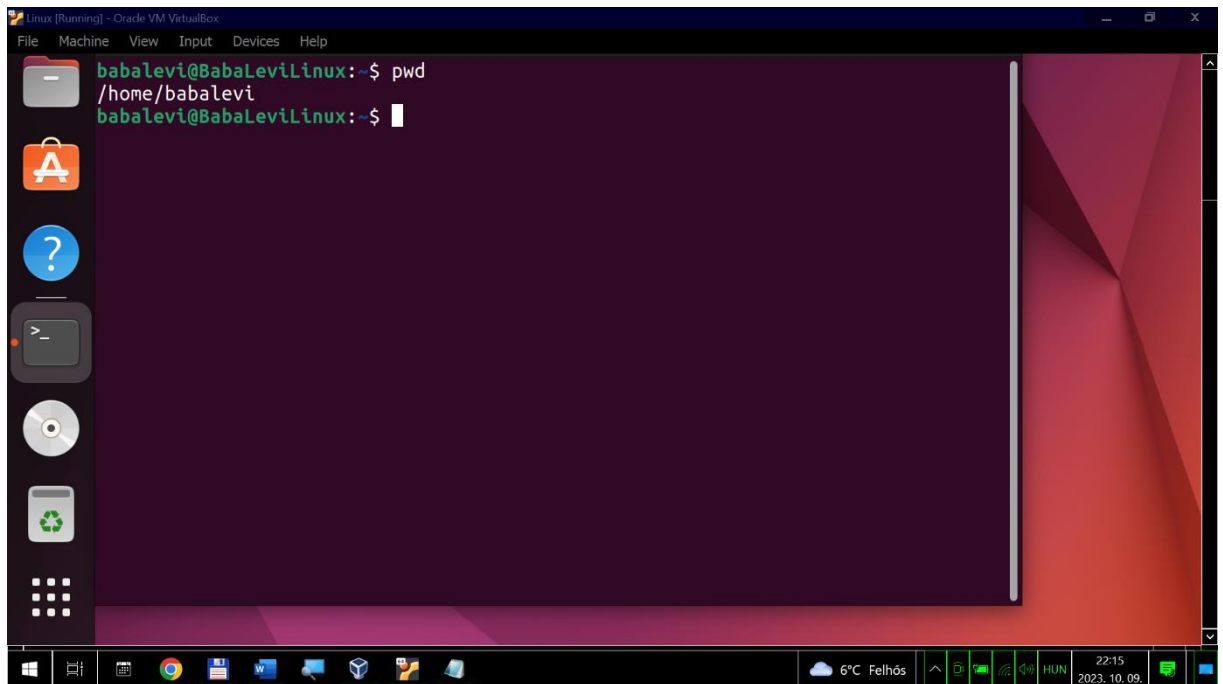
NAME
  man - an interface to the system reference manuals

SYNOPSIS
  man [man options] [[section] page ...] ...
  man -k [apropos options] regexp ...
  man -K [man options] [section] term ...
  man -f [whatis options] page ...
  man -l [man options] file ...
  man -w|-W [man options] page ...

DESCRIPTION
  man is the system's manual pager. Each page argument given to man is
  normally the name of a program, utility or function. The manual page
  associated with each of these arguments is then found and displayed. A
  section, if provided, will direct man to look only in that section of
  the manual. The default action is to search in all of the available
  sections following a pre-defined order (see DEFAULTS), and to show only
  the first page found, even if page exists in several sections.

  The table below shows the section numbers of the manual followed by the
  Manual page man(1) line 1 (press h for help or q to quit)
```

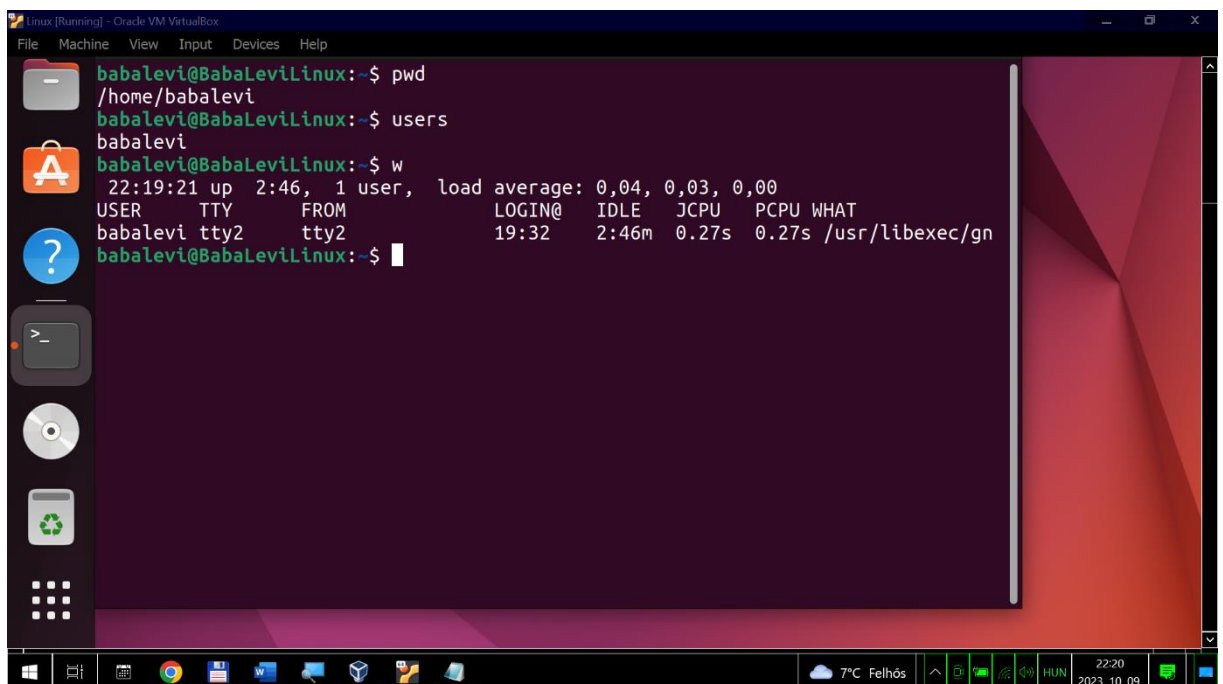
c. Írattassa ki a munkajegyzék nevét, amiben éppen dolgozik!



The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal prompt is "babalevi@BabaLeviLinux:~\$". The user has entered the command "pwd", and the output is "/home/babalevi". The terminal window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". On the left side, there is a vertical toolbar with icons for file manager, application store, help, terminal, CD, and trash. The bottom status bar shows "6°C Felhős", system icons, and the date "2023. 10. 09.".

```
babalevi@BabaLeviLinux:~$ pwd
/home/babalevi
babalevi@BabaLeviLinux:~$
```

d. Kik vannak bejelentkezve a rendszerbe? Mióta használják azt? Mióta inaktívak? Milyen parancsot futtatnak éppen?



The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal prompt is "babalevi@BabaLeviLinux:~\$". The user has entered the command "w", and the output shows system load averages and a table of active users. The table has columns: USER, TTY, FROM, LOGIN@, IDLE, JCPU, PCPU, and WHAT. The output shows one user, "babalevi", logged in at "19:32" on "tty2", with an idle time of "2:46m". The terminal window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". On the left side, there is a vertical toolbar with icons for file manager, application store, help, terminal, CD, and trash. The bottom status bar shows "7°C Felhős", system icons, and the date "2023. 10. 09.".

```
babalevi@BabaLeviLinux:~$ w
22:19:21 up 2:46, 1 user, load average: 0.04, 0.03, 0.00
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU   WHAT
babalevi  tty2     tty2             19:32    2:46m  0.27s  0.27s  /usr/libexec/gn
babalevi@BabaLeviLinux:~$
```

- e. Jelenítse meg az utoljára bejelentkezett felhasználókat! Jelenítse meg az utolsó 5 bejelentkezést!

[illegible]

- f. Írattassa ki azokat a felhasználókat, akik be vannak jelentkezve!

Linux [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

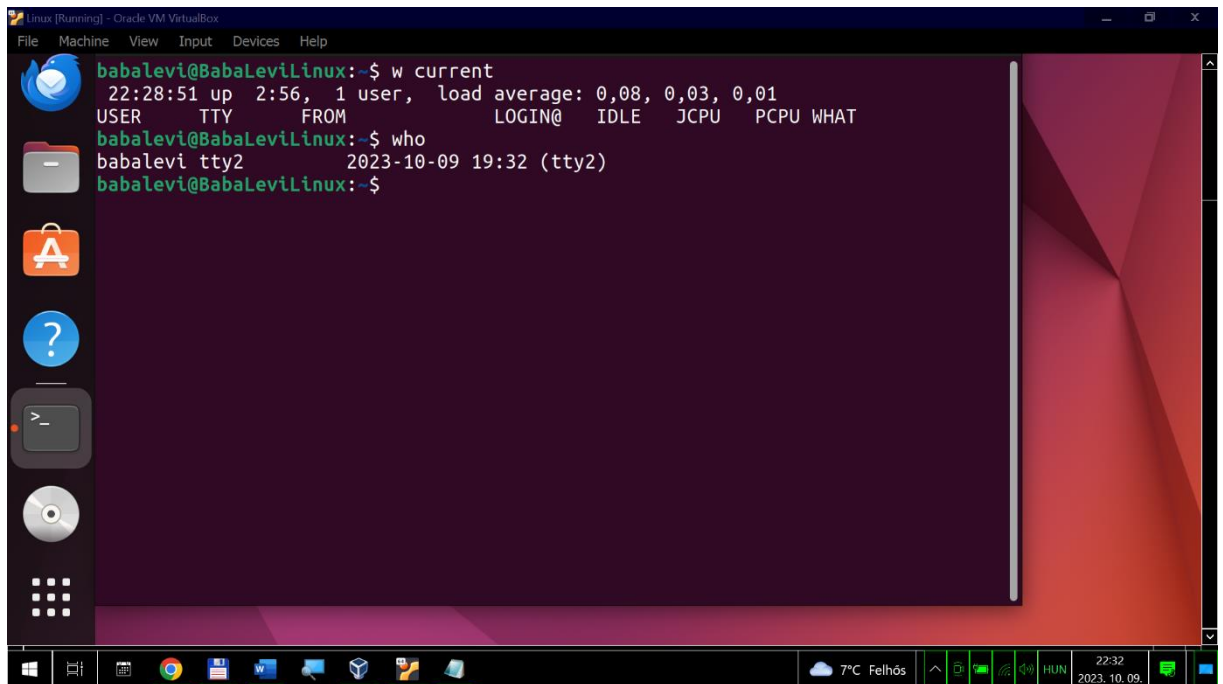
babaLevi@BabaLeviLinux:~\$ w current

22:28:51 up 2:56, 1 user, load average: 0,08, 0,03, 0,01

USER	TTY	FROM	LOGIN@	IDLE	JCPU	PCPU	WHAT
babaLevi@BabaLeviLinux:~\$							

Windows taskbar: 7°C Felhős, 22:29, 2023. 10. 09

g. Kik vannak bejelentkezve, mikor és honnan jelentkezett be!

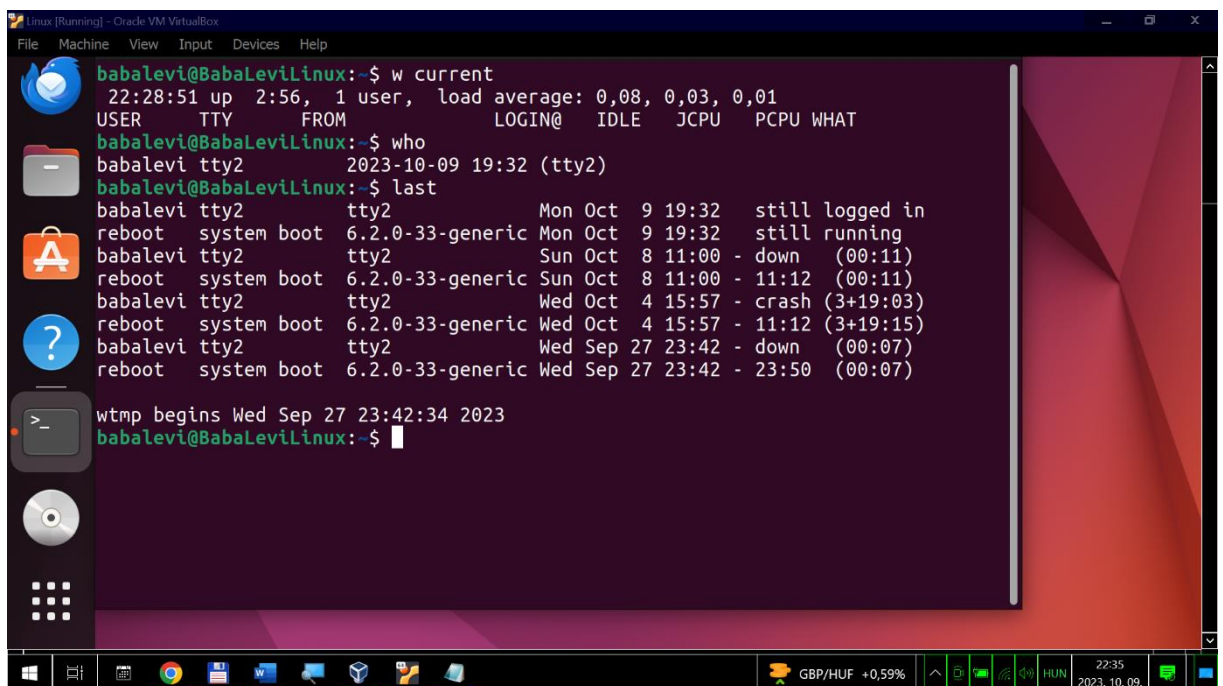


The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The user "babalevi" is logged in at "BabaLeviLinux". The terminal output is as follows:

```
babalevi@BabaLeviLinux:~$ w current
22:28:51 up 2:56, 1 user, load average: 0.08, 0.03, 0.01
USER      TTY      FROM          LOGIN@      IDLE   JCPU   PCPU WHAT
babalevi  tty2          2023-10-09 19:32 (tty2)
babalevi@BabaLeviLinux:~$
```

The terminal window has a sidebar with icons for applications like a file manager, a terminal, and a CD. The bottom status bar shows the system clock as 22:32 on 2023.10.09 and the temperature as 7°C.

h. Ki mikor melyik gépre jelentkezett be és hány perce nem csinál semmit!

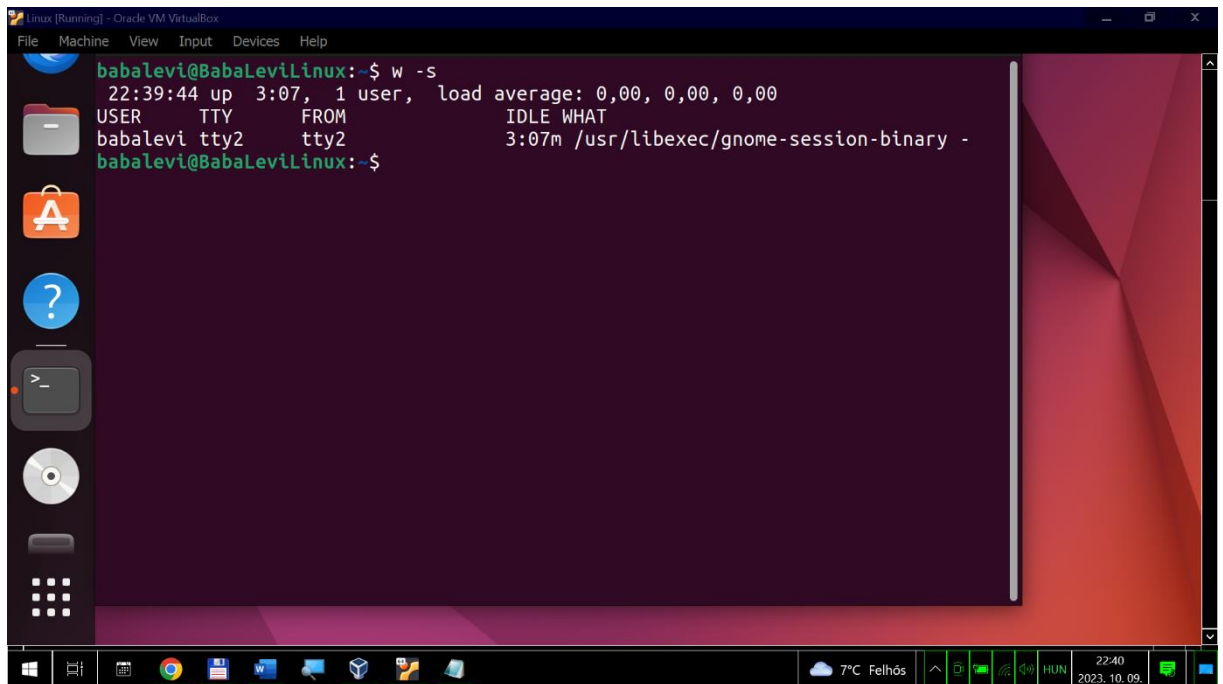


The screenshot shows the same terminal window as before, but with additional commands and output. The user "babalevi" is still logged in at "BabaLeviLinux". The terminal output is as follows:

```
babalevi@BabaLeviLinux:~$ w current
22:28:51 up 2:56, 1 user, load average: 0.08, 0.03, 0.01
USER      TTY      FROM          LOGIN@      IDLE   JCPU   PCPU WHAT
babalevi  tty2          2023-10-09 19:32 (tty2)
babalevi@BabaLeviLinux:~$ who
babalevi  tty2          2023-10-09 19:32 (tty2)
babalevi@BabaLeviLinux:~$ last
babalevi  tty2          tty2          Mon Oct 9 19:32 still logged in
reboot    system boot  6.2.0-33-generic Mon Oct 9 19:32 still running
babalevi  tty2          tty2          Sun Oct 8 11:00 - down (00:11)
reboot    system boot  6.2.0-33-generic Sun Oct 8 11:00 - 11:12 (00:11)
babalevi  tty2          tty2          Wed Oct 4 15:57 - crash (3+19:03)
reboot    system boot  6.2.0-33-generic Wed Oct 4 15:57 - 11:12 (3+19:15)
babalevi  tty2          tty2          Wed Sep 27 23:42 - down (00:07)
reboot    system boot  6.2.0-33-generic Wed Sep 27 23:42 - 23:50 (00:07)
wtmp begins Wed Sep 27 23:42:34 2023
babalevi@BabaLeviLinux:~$
```

The terminal window has a sidebar with icons for applications like a file manager, a terminal, and a CD. The bottom status bar shows the system clock as 22:35 on 2023.10.09 and the currency rate as GBP/HUF +0.59%.

- i. Ki van bejelentkezve, a teljes neve, mikor jelentkezett be!

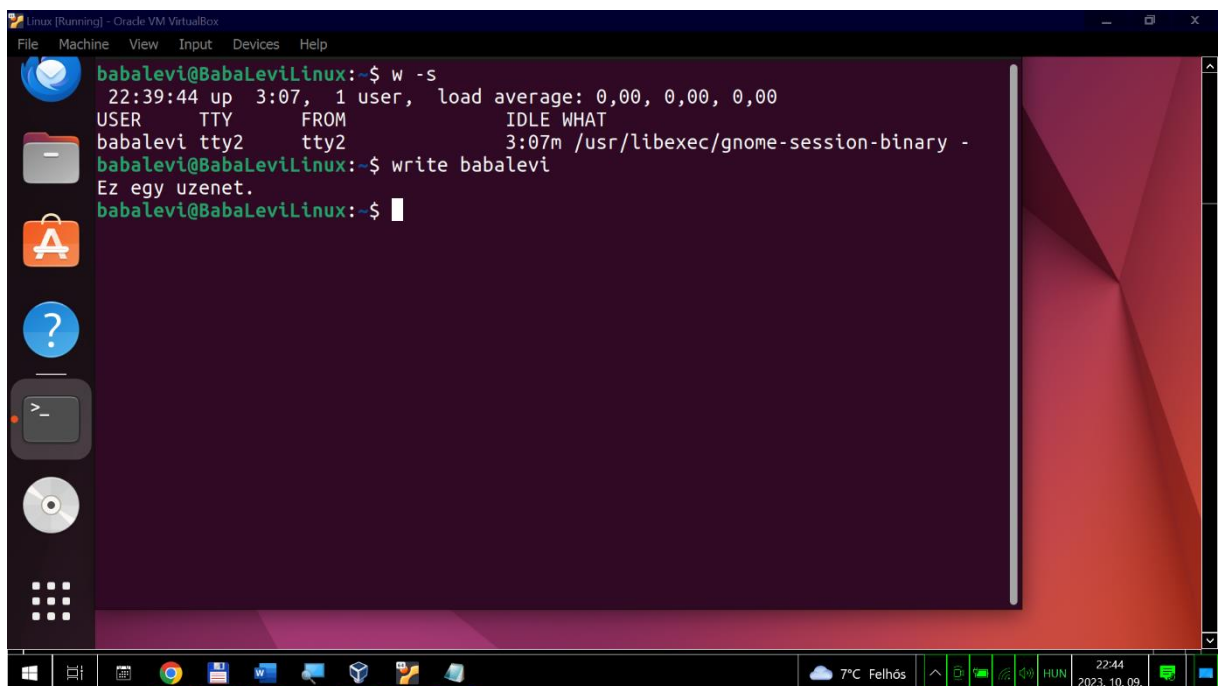


The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal output of the command `w -s` is as follows:

```
babalevi@BabaLeviLinux:~$ w -s
22:39:44 up 3:07, 1 user, load average: 0,00, 0,00, 0,00
USER      TTY      FROM            IDLE WHAT
babalevi  tty2     tty2             3:07m /usr/libexec/gnome-session-binary -
babalevi@BabaLeviLinux:~$
```

The terminal window has a sidebar with icons for applications, a help icon, and a terminal icon. The bottom status bar shows the system temperature as 7°C, weather as "Felhős", and the date and time as 22:40 on 2023.10.09.

- j. Írjon egy üzenetet a szomszédjának!

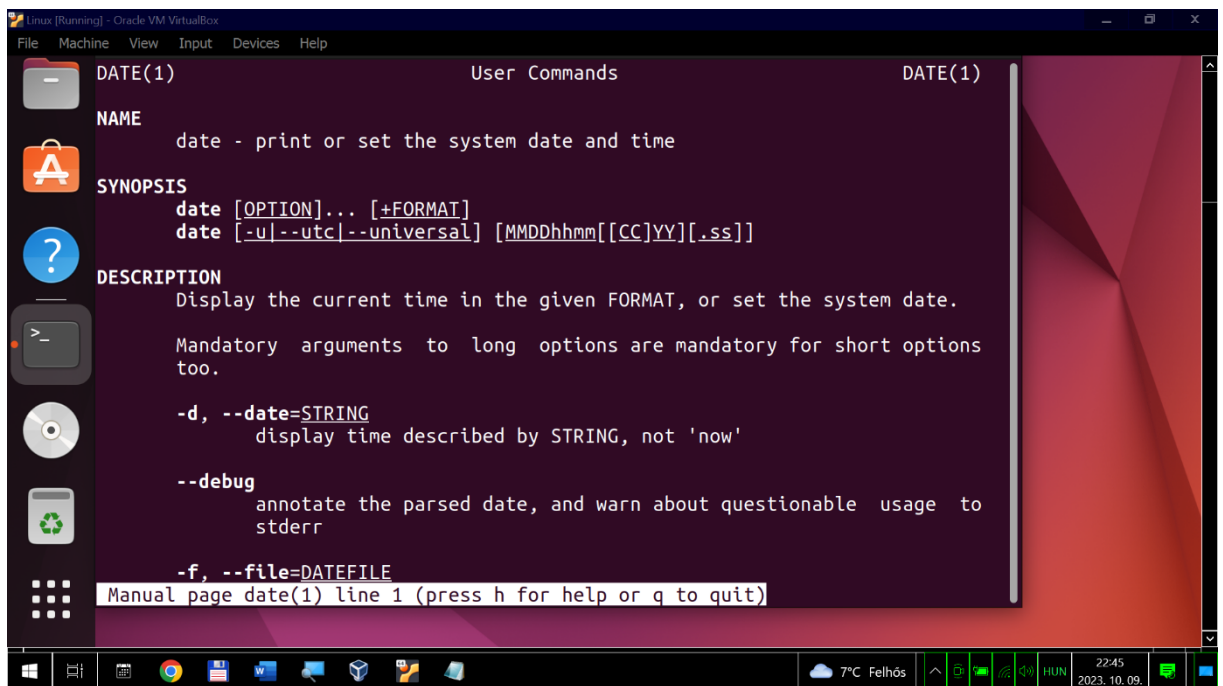


The screenshot shows the same terminal window as before, but now with the output of the `write` command. The terminal output is as follows:

```
babalevi@BabaLeviLinux:~$ w -s
22:39:44 up 3:07, 1 user, load average: 0,00, 0,00, 0,00
USER      TTY      FROM            IDLE WHAT
babalevi  tty2     tty2             3:07m /usr/libexec/gnome-session-binary -
babalevi@BabaLeviLinux:~$ write babalevi
Ez egy uzenet.
babalevi@BabaLeviLinux:~$
```

The terminal window has the same sidebar and status bar as the previous screenshot.

k. Nézze meg a date parancs kézikönyvét!



The screenshot shows a Linux terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal displays the manual page for the 'date' command. The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". On the left side, there is a sidebar with icons for a file manager, application store, help, terminal, CD, and trash. The main content area shows the following text:

```
DATE(1)                                User Commands                                DATE(1)
NAME
    date - print or set the system date and time
SYNOPSIS
    date [OPTION]... [+FORMAT]
    date [-u|--utc|--universal] [MMDDhhmm[[CC]YY][.ss]]
DESCRIPTION
    Display the current time in the given FORMAT, or set the system date.

    Mandatory arguments to long options are mandatory for short options too.

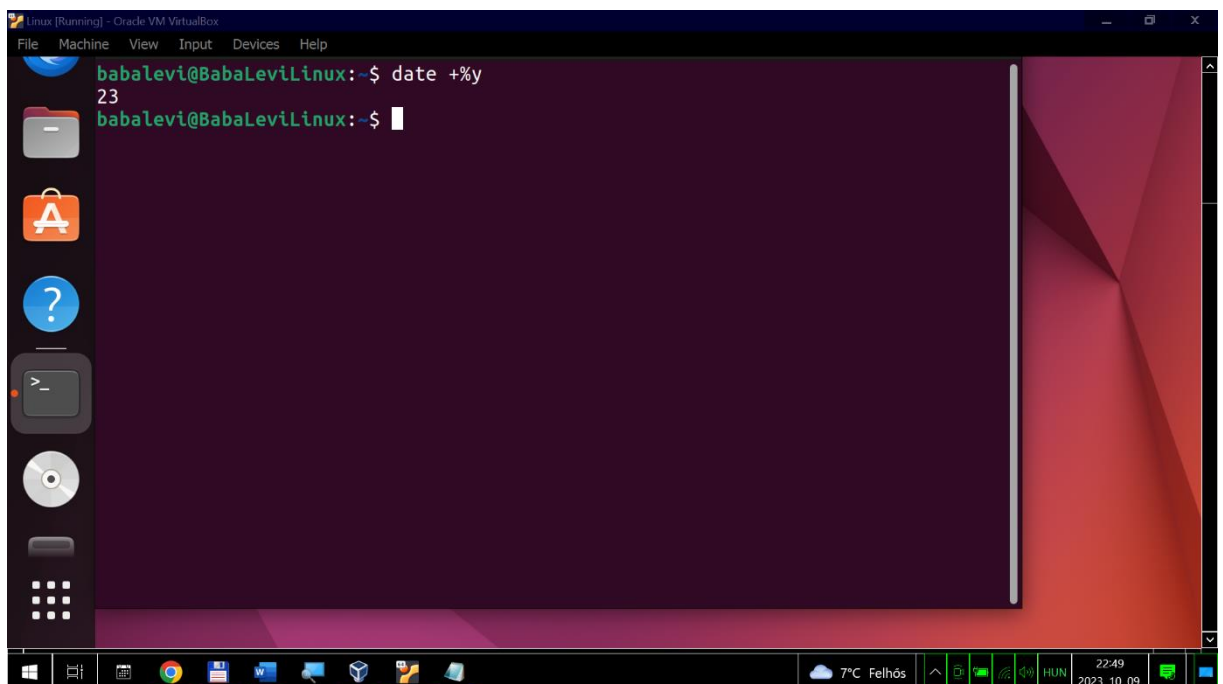
    -d, --date=STRING
        display time described by STRING, not 'now'

    --debug
        annotate the parsed date, and warn about questionable usage to
        stderr

    -f, --file=DATEFILE
        Manual page date(1) line 1 (press h for help or q to quit)
```

The bottom status bar shows the system temperature as 7°C, weather as "Felhős", and the date and time as 22:45 on 2023.10.09.

1. Hogyan kell paraméterezni a date parancsot ahhoz, hogy csak az évszámot írja ki?

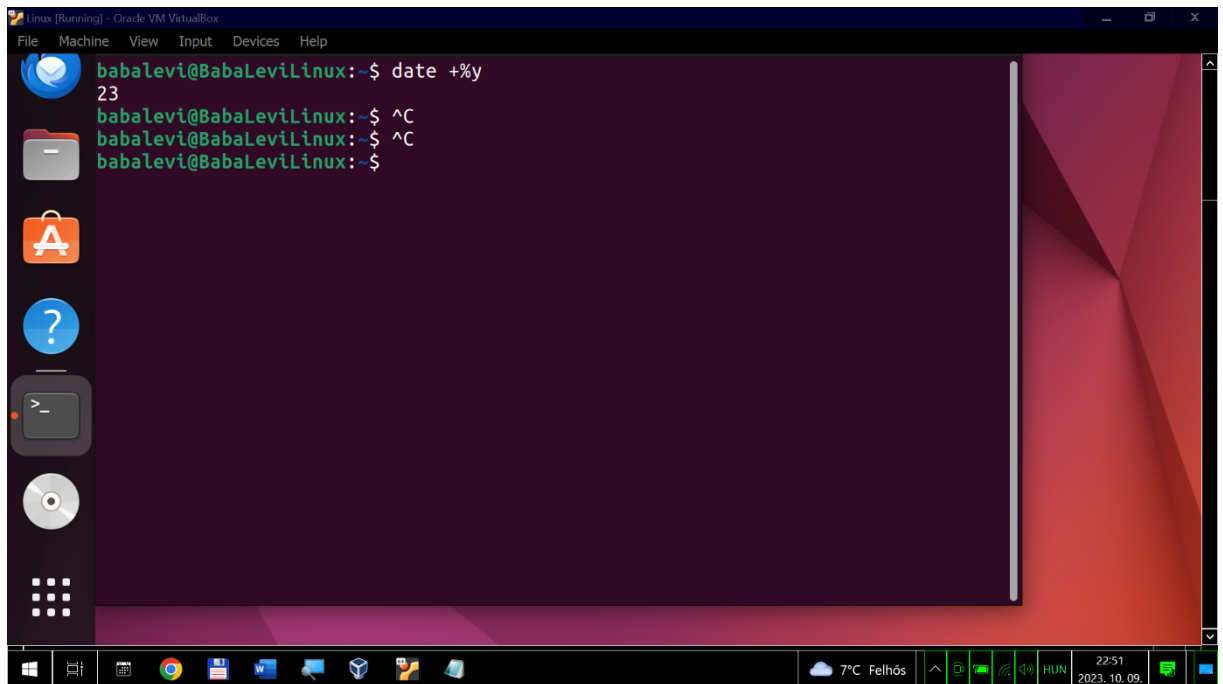


The screenshot shows a Linux terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal displays the output of the 'date +%y' command. The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". On the left side, there is a sidebar with icons for a file manager, application store, help, terminal, CD, and trash. The main content area shows the following text:

```
babalevi@BabaLeviLinux:~$ date +%y
23
babalevi@BabaLeviLinux:~$
```

The bottom status bar shows the system temperature as 7°C, weather as "Felhős", and the date and time as 22:49 on 2023.10.09.

m. Hogyan lehet megszakítani az éppen futó programot?



n. Törölje a képernyőt!

