

Számítógép architektúrák

BSc

2. Gyak

2023. 10. 09.

Készítette:

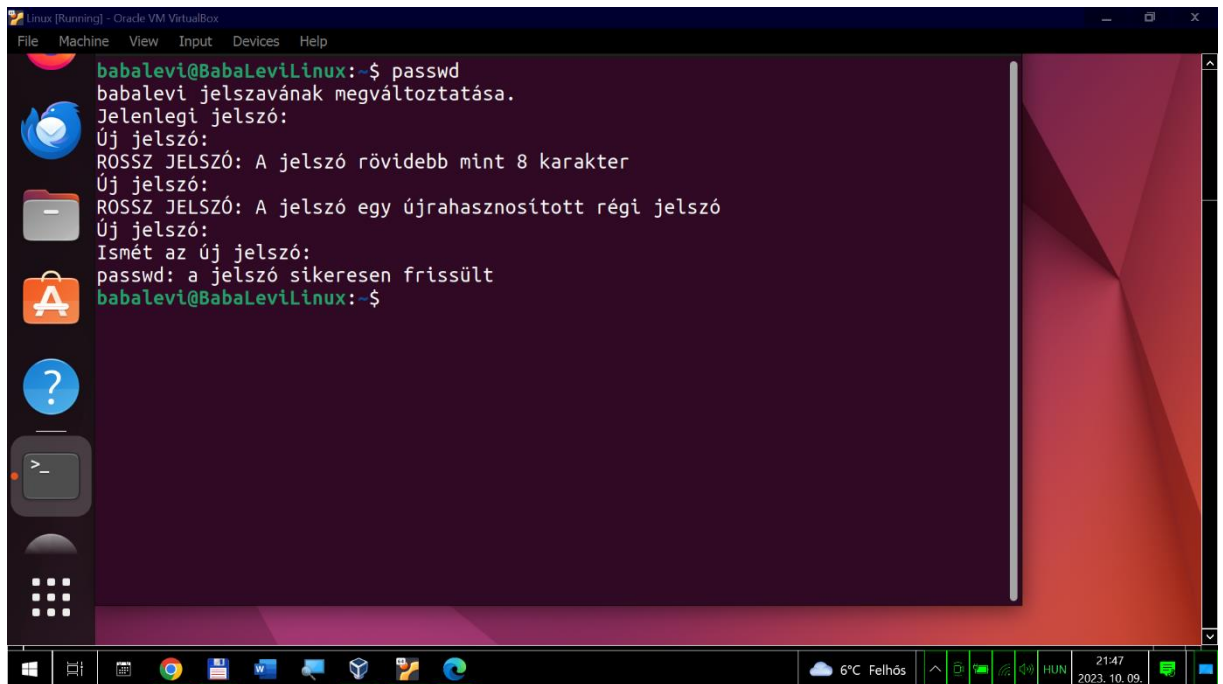
Baba Levente Bsc

Prog. inf.

HLFA5R

Miskolc, 2023

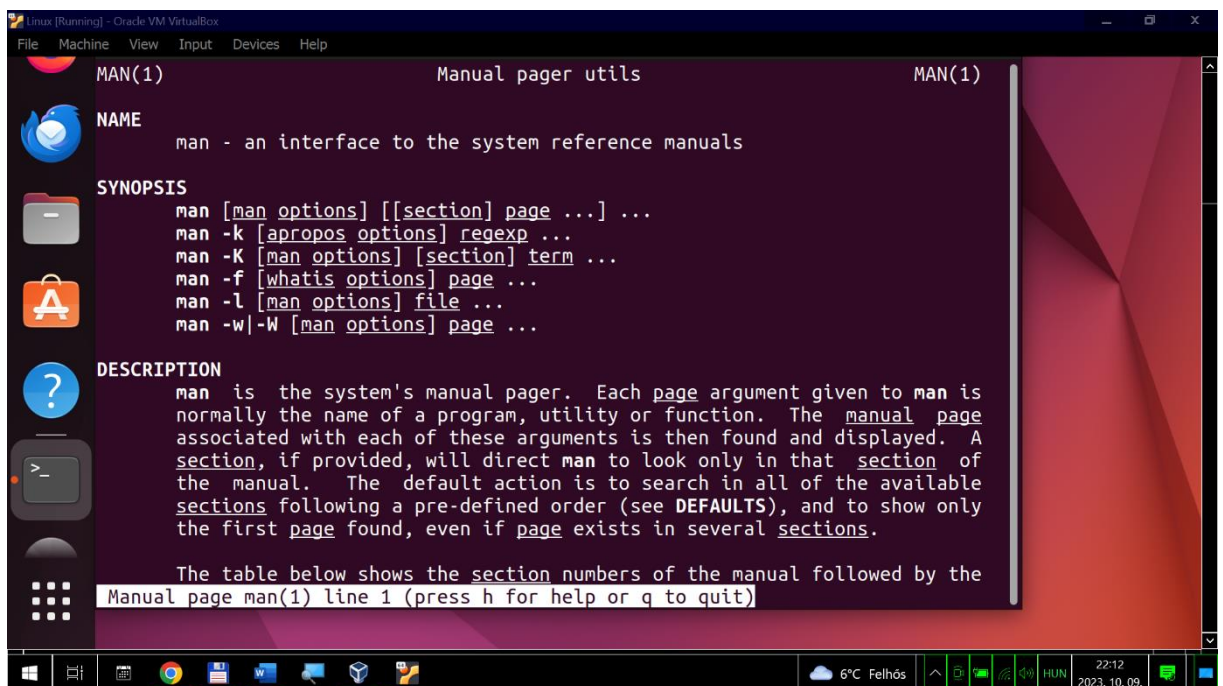
a. Változtassa meg a jelszavát!



```
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!

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

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

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

The screenshot captures a Windows 10 desktop environment where a Linux virtual machine is running via Oracle VM VirtualBox. The active window is titled "Linux (Running) - Oracle VM VirtualBox". Inside the VM, a terminal window shows the execution of the `lastlog` command. The output lists various system users and their last login details:

USER	TTY	FROM	LOGIN@	IDLE	JCPU	PCPU	WHAT
babalevi	tty2	tty2	19:32	2:46m	0.27s	0.27s	/usr/libexec/gn

Below the header, the terminal shows the command prompt `babalevi@BabaLeviLinux:~\$ lastlog` followed by a detailed log for user 'root':

Felhasználonév	Port	Innen	Legutóbb
root			**Sosem lépett be**
daemon			**Sosem lépett be**
bin			**Sosem lépett be**
sys			**Sosem lépett be**
sync			**Sosem lépett be**
games			**Sosem lépett be**
man			**Sosem lépett be**
lp			**Sosem lépett be**
mail			**Sosem lépett be**
news			**Sosem lépett be**
uucp			**Sosem lépett be**
proxy			**Sosem lépett be**
www-data			**Sosem lépett be**
backup			**Sosem lépett be**
list			**Sosem lépett be**
irc			**Sosem lépett be**
gnats			**Sosem lépett be**
nobody			**Sosem lépett be**
systemd-network			**Sosem lépett be**

A tooltip labeled "Alkalmazások megjelenítése" (Show applications) is visible over the application icon area on the left side of the terminal window.

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

Linux [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

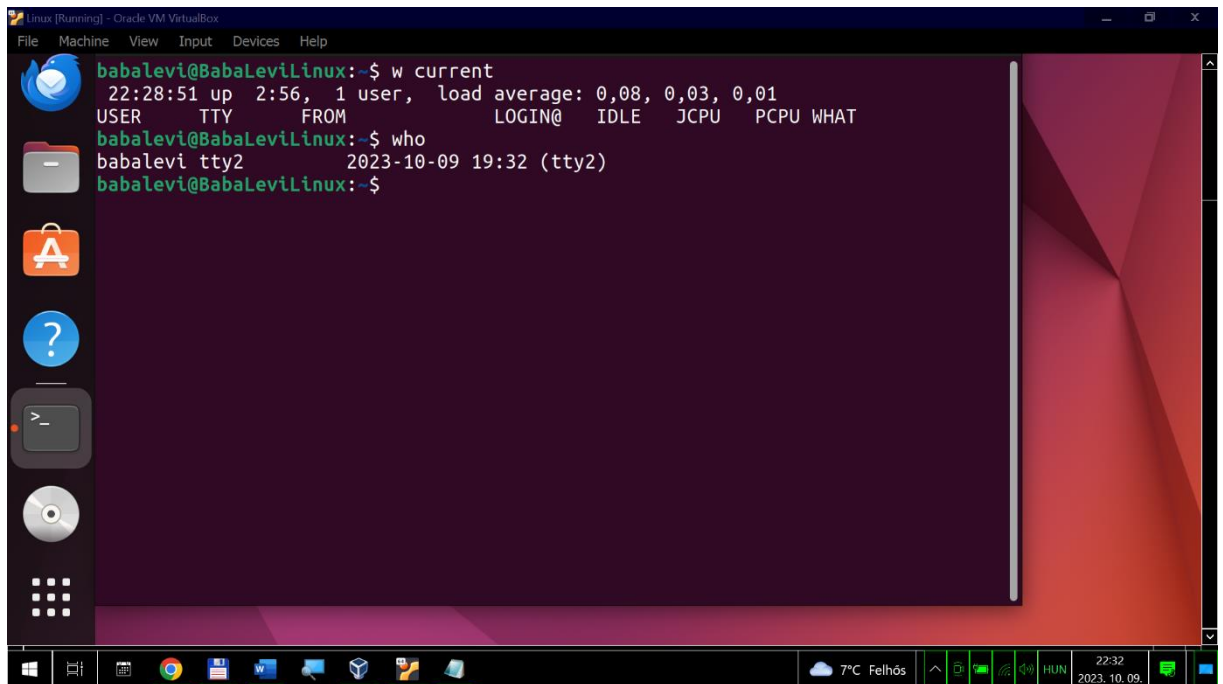
babaLevi@BabaLeviLinux:~\$ w current

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 at the bottom shows: Windows logo, task view, calendar, Google Chrome, Microsoft Word, Outlook, File Explorer, and system tray with weather (7°C Felhős), network, volume, and date/time (22:29, 2023. 10. 09).

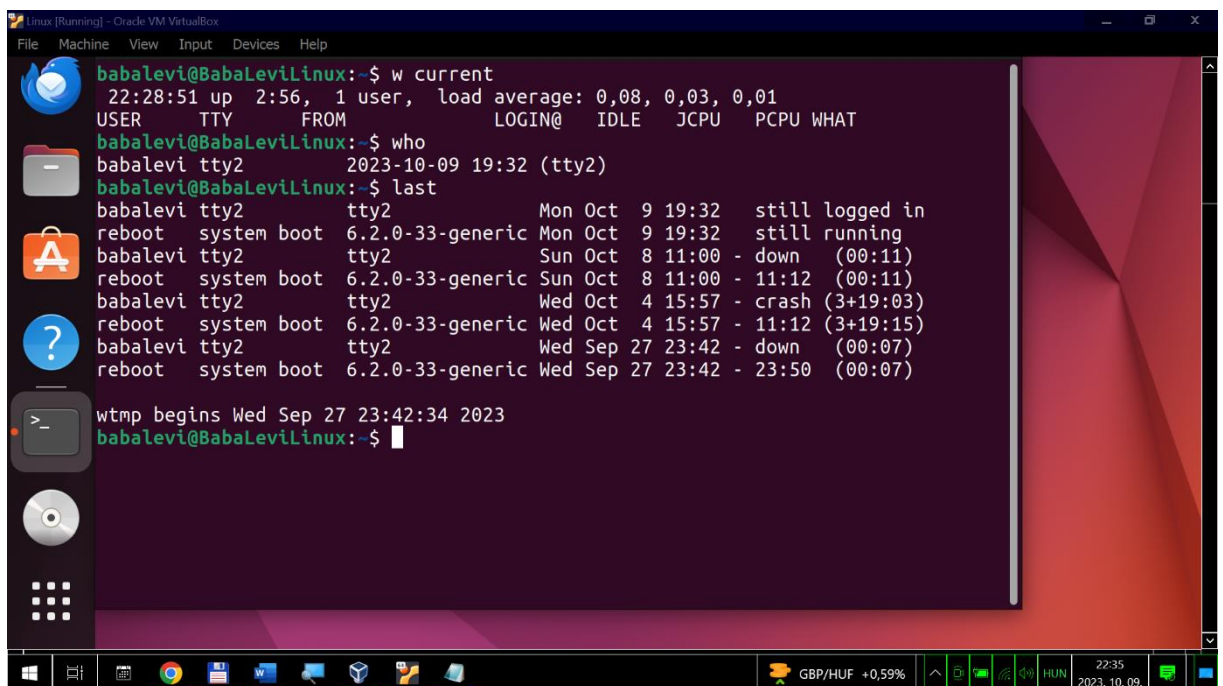
g. Kik vannak bejelentkezve, mikor és honnan jelentkezett be!



The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The user is logged in as "babalevi" on the machine "BabaLeviLinux". The terminal displays the output of the 'w' and 'who' commands.

```
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:~$
```

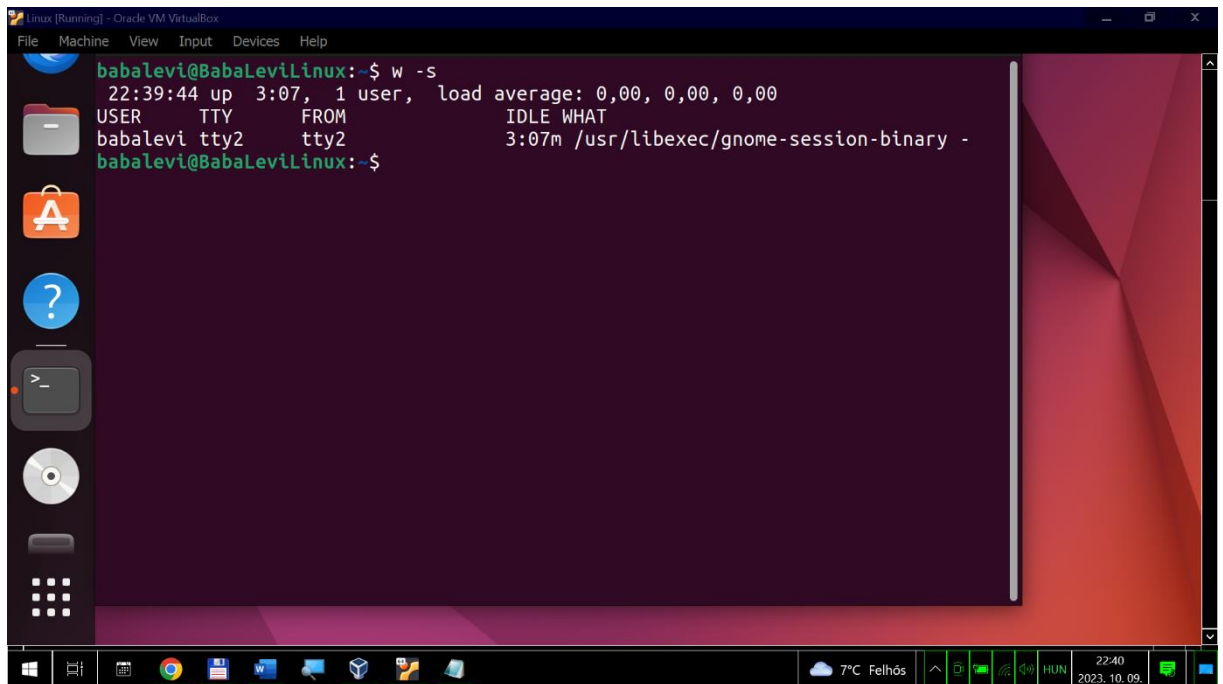
h. Ki mikor melyik gépre jelentkezett be és hány perce nem csinál semmit!



The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The user is logged in as "babalevi" on the machine "BabaLeviLinux". The terminal displays the output of the 'last' command, showing a list of login attempts and system boots.

```
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:~$
```

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

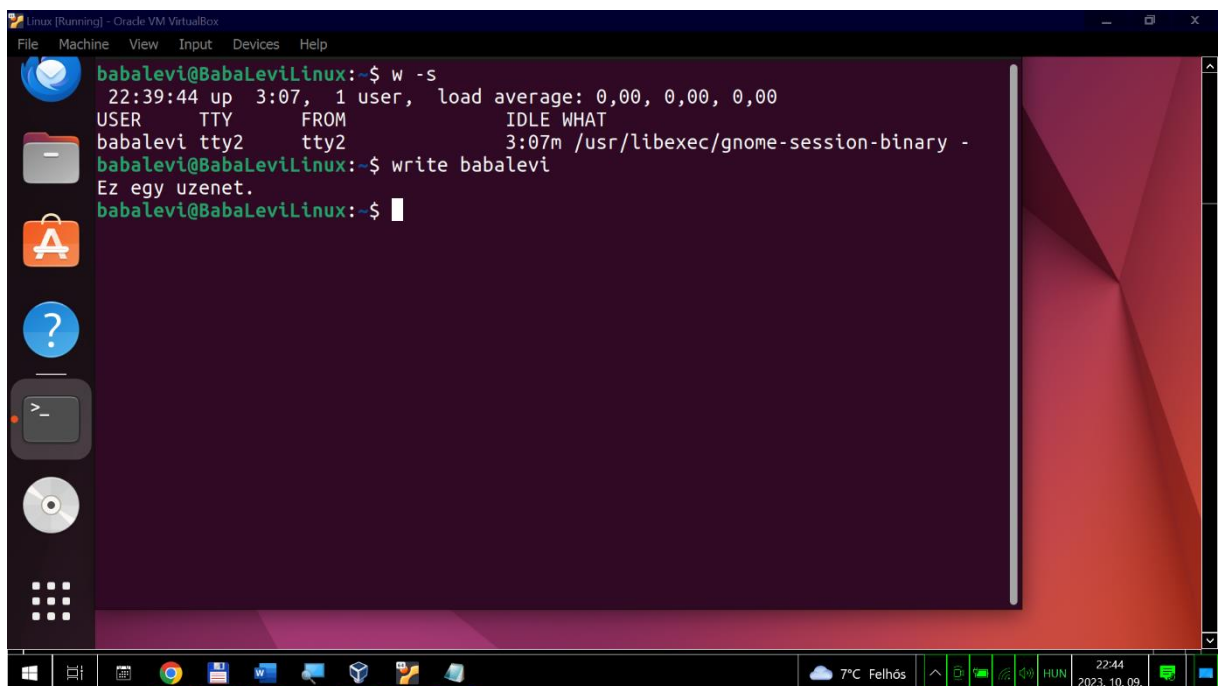


The screenshot shows a terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal output of the command `w -s` is as follows:

```
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 on the left 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!

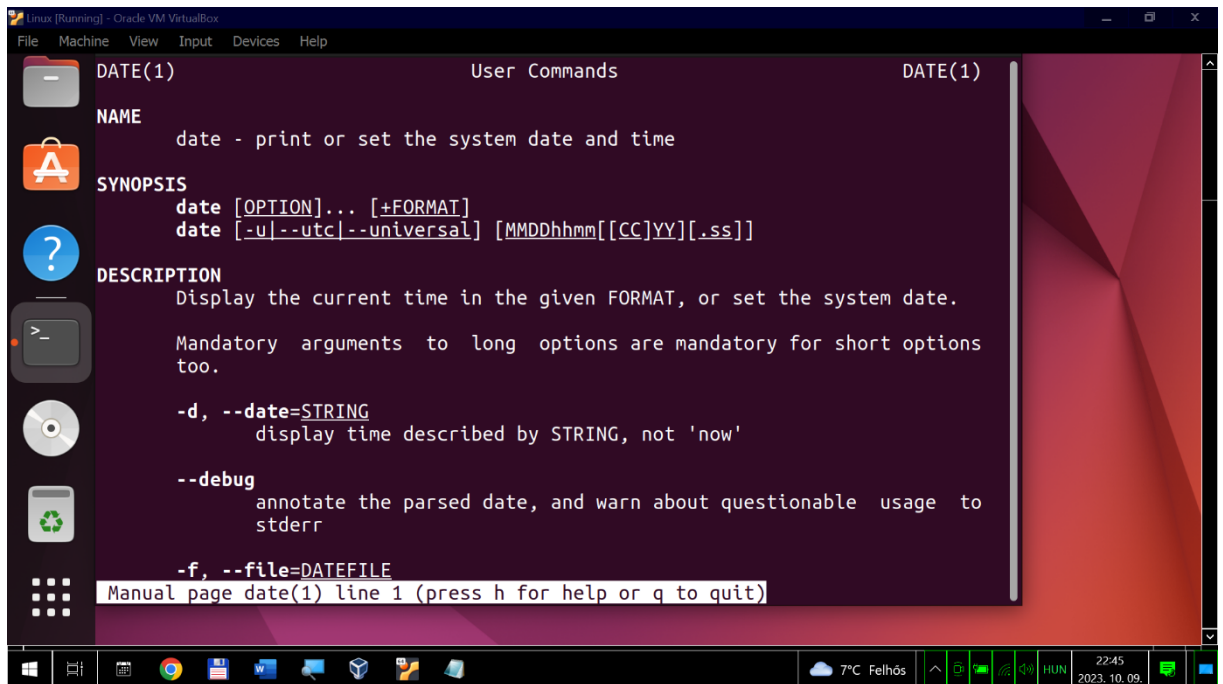


The screenshot shows the same terminal window as before, but with additional output from the `write` command. The terminal output is as follows:

```
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 a sidebar on the left 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 22:44 on 2023.10.09.

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, and other utilities. 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.

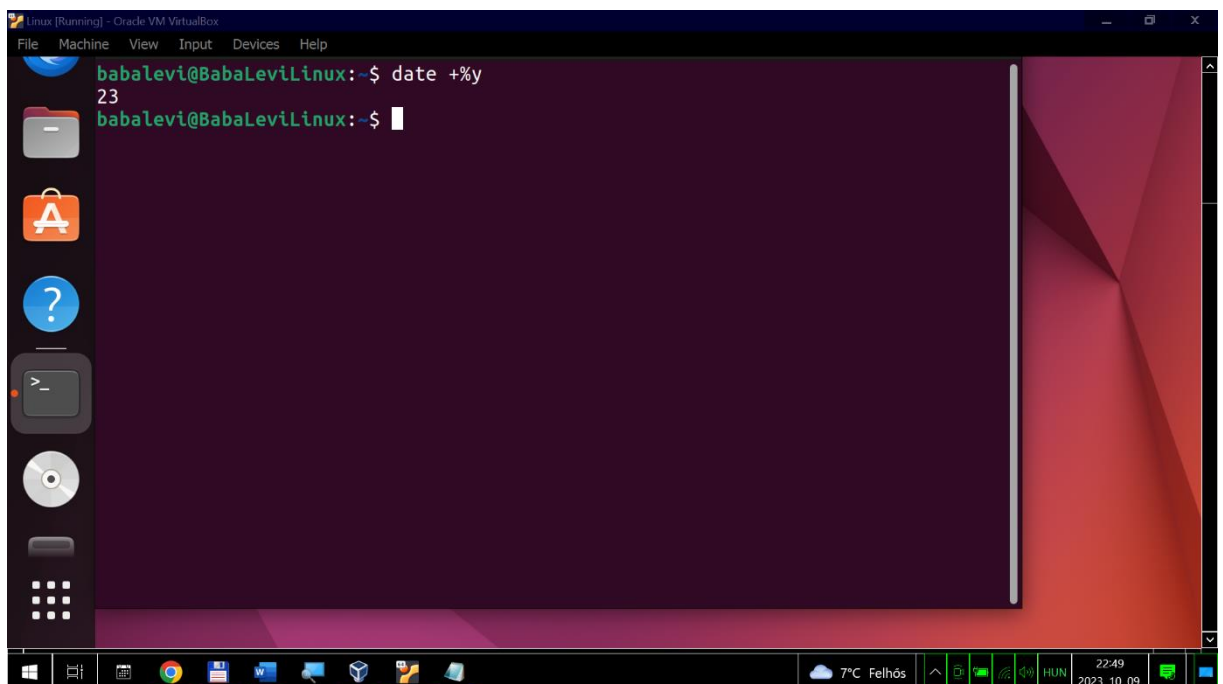
    -d, --date=STRING
        display time described by STRING, not 'now'

    --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 of the window shows a taskbar with various icons, including a clock showing 22:45 on 2023.10.09.

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

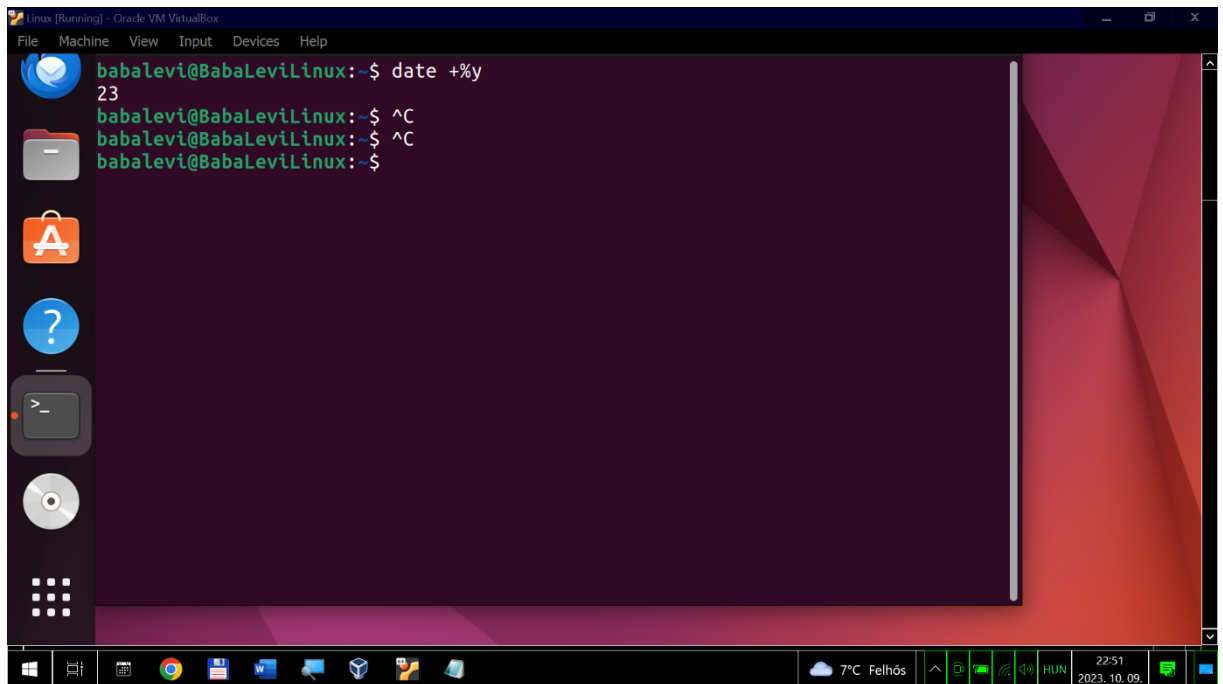


The screenshot shows a Linux terminal window titled "Linux [Running] - Oracle VM VirtualBox". The terminal displays the output of the 'date +%y' command. The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". On the left side, there is a sidebar with icons for a file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

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

The bottom of the window shows a taskbar with various icons, including a clock showing 22:49 on 2023.10.09.

m. Hogyan lehet megszakítani az éppen futó programot?



n. Törölje a képernyőt!

