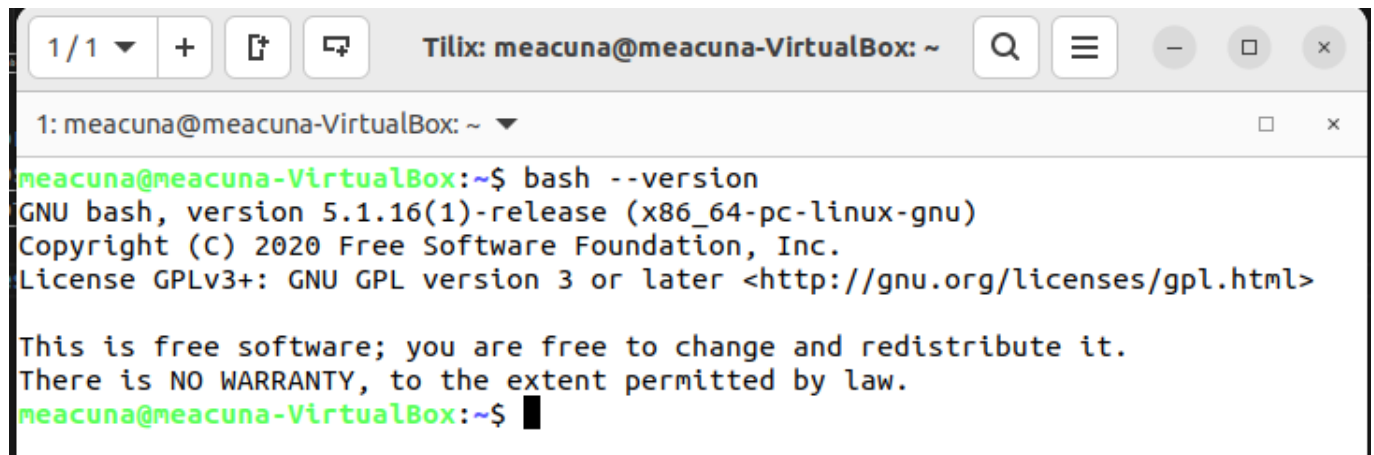


Weekly Report 3

Completed work for week 3

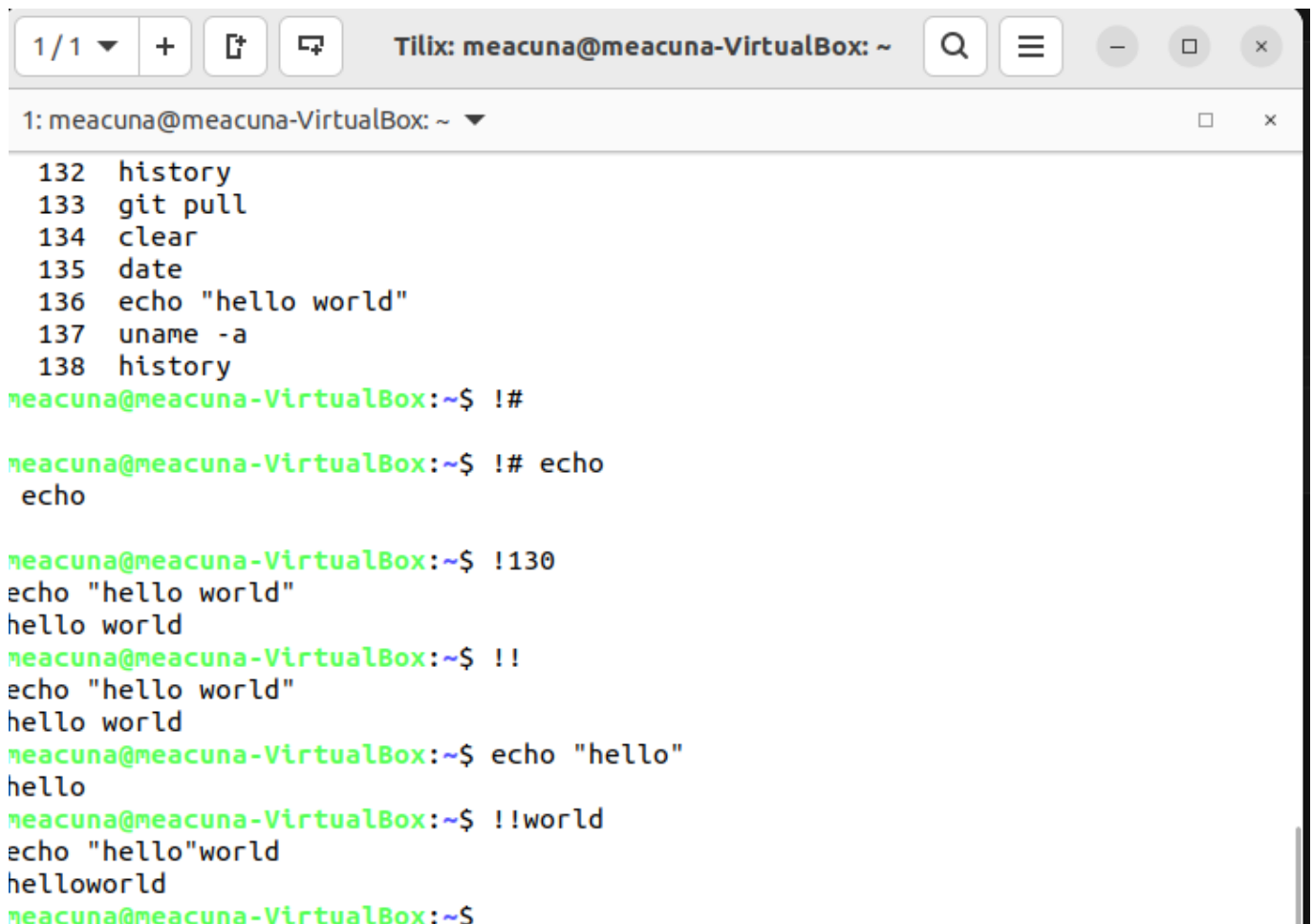
- [Lab 3](#)
- [Notes 1](#)

Practice 2: Accessing the Bash Shell



```
1/1 + [ ] [ ] Tilix: meacuna@meacuna-VirtualBox: ~ 🔍 ☰ - □ ×  
1: meacuna@meacuna-VirtualBox: ~ ▾  
meacuna@meacuna-VirtualBox:~$ bash --version  
GNU bash, version 5.1.16(1)-release (x86_64-pc-linux-gnu)  
Copyright (C) 2020 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
  
This is free software; you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law.  
meacuna@meacuna-VirtualBox:~$ █
```

Practice 3: Using the Command History



```
1/1 + [ ] [ ] Tilix: meacuna@meacuna-VirtualBox: ~ 🔍 ☰ - □ ×  
1: meacuna@meacuna-VirtualBox: ~ ▾  
132 history  
133 git pull  
134 clear  
135 date  
136 echo "hello world"  
137 uname -a  
138 history  
meacuna@meacuna-VirtualBox:~$ !#  
  
meacuna@meacuna-VirtualBox:~$ !# echo  
echo  
  
meacuna@meacuna-VirtualBox:~$ !130  
echo "hello world"  
hello world  
meacuna@meacuna-VirtualBox:~$ !!  
echo "hello world"  
hello world  
meacuna@meacuna-VirtualBox:~$ echo "hello"  
hello  
meacuna@meacuna-VirtualBox:~$ !!world  
echo "hello"world  
helloworld  
meacuna@meacuna-VirtualBox:~$
```

Practice 4: My First Shell Script

```
1 / 1 + [Tilix: meacuna@meacuna-VirtualBox: ~] Q [ - □ ×

1: meacuna@meacuna-VirtualBox: ~ ▾

meacuna@meacuna-VirtualBox:~$ bash ~/scripts/hello.sh
hello world
I am learning linux
This is my first shell script
meacuna@meacuna-VirtualBox:~$
```

Practice 5: Using Man

```
1 / 1 + [Tilix: meacuna@meacuna-VirtualBox: ~] Q [ - □ ×

1: meacuna@meacuna-VirtualBox: ~ ▾ 2: meacuna@meacuna-VirtualBox: ~ ▾

meacuna@meacuna-VirtualBox:~$ uname -os
uname: extra operand 'os'
Try 'uname --help' for more information.
meacuna@meacuna-VirtualBox:~$ uname -s
Linux
meacuna@meacuna-VirtualBox:~$ uname -n
meacuna-VirtualBox
meacuna@meacuna-VirtualBox:~$ uname -io
x86_64 GNU/Linux
meacuna@meacuna-VirtualBox:~$ uname -i0
uname: invalid option -- '0'
Try 'uname --help' for more information.
meacuna@meacuna-VirtualBox:~$ man date
meacuna@meacuna-VirtualBox:~$ man df
meacuna@meacuna-VirtualBox:~$ man free
meacuna@meacuna-VirtualBox:~$ man clear
meacuna@meacuna-VirtualBox:~$ man history
meacuna@meacuna-VirtualBox:~$ free --giga
              total        used        free
Mem:           2             1             0
              0             0             0
Swap:          4             1             3
meacuna@meacuna-VirtualBox:~$

                                ory in tebibytes.
--pebi Display the amount of mem-
        ory in pebibytes.
--kilo Display the amount of mem-
        ory in kilobytes. Implies
        --si.
--mega Display the amount of mem-
        ory in megabytes. Implies
        --si.
--giga Display the amount of mem-
        ory in gigabytes. Implies
        --si.
--tera Display the amount of mem-
        ory in terabytes. Implies
        --si.
--peta Display the amount of mem-
        ory in petabytes. Implies
line 84/189 56% (press h for help or q to quit)
```

Practice 6: Using the Help Option

```

1: meacuna@meacuna-VirtualBox: ~
meacuna@meacuna-VirtualBox:~$ whatis ls
ls (1) - list directory contents
meacuna@meacuna-VirtualBox:~$ whatis pwd
pwd (1) - print name of current/w...
meacuna@meacuna-VirtualBox:~$ whatis apt
apt (8) - command-line interface
meacuna@meacuna-VirtualBox:~$ whatis sudo
sudo (8) - execute a command as an...
meacuna@meacuna-VirtualBox:~$ whatis sudo
sudo (8) - execute a command as another user
meacuna@meacuna-VirtualBox:~$ -l
-l: command not found
meacuna@meacuna-VirtualBox:~$ 0v
0v: command not found
meacuna@meacuna-VirtualBox:~$ -v
-v: command not found
meacuna@meacuna-VirtualBox:~$ 

```

```

- a, --all
    do not ignore entries starting with .

- A, --almost-all
    do not list implied . and ..

--author
    with -l, print the author of each file

- b, --escape
    print C-style escapes for nongraphic characters

--block-size=SIZE
    with -l, scale sizes by SIZE when printing them;
    e.g., '--block-size=M'; see SIZE format below

- B, --ignore-backups
    do not list implied entries ending with ~

- c
    with -lt: sort by, and show, ctime (time of last
    modification of file status information); with
    -l: show ctime and sort by name; otherwise: sort
Manual page ls(1) line 16 (press h for help or q to quit)

```

Practice 7: Using Cheat!

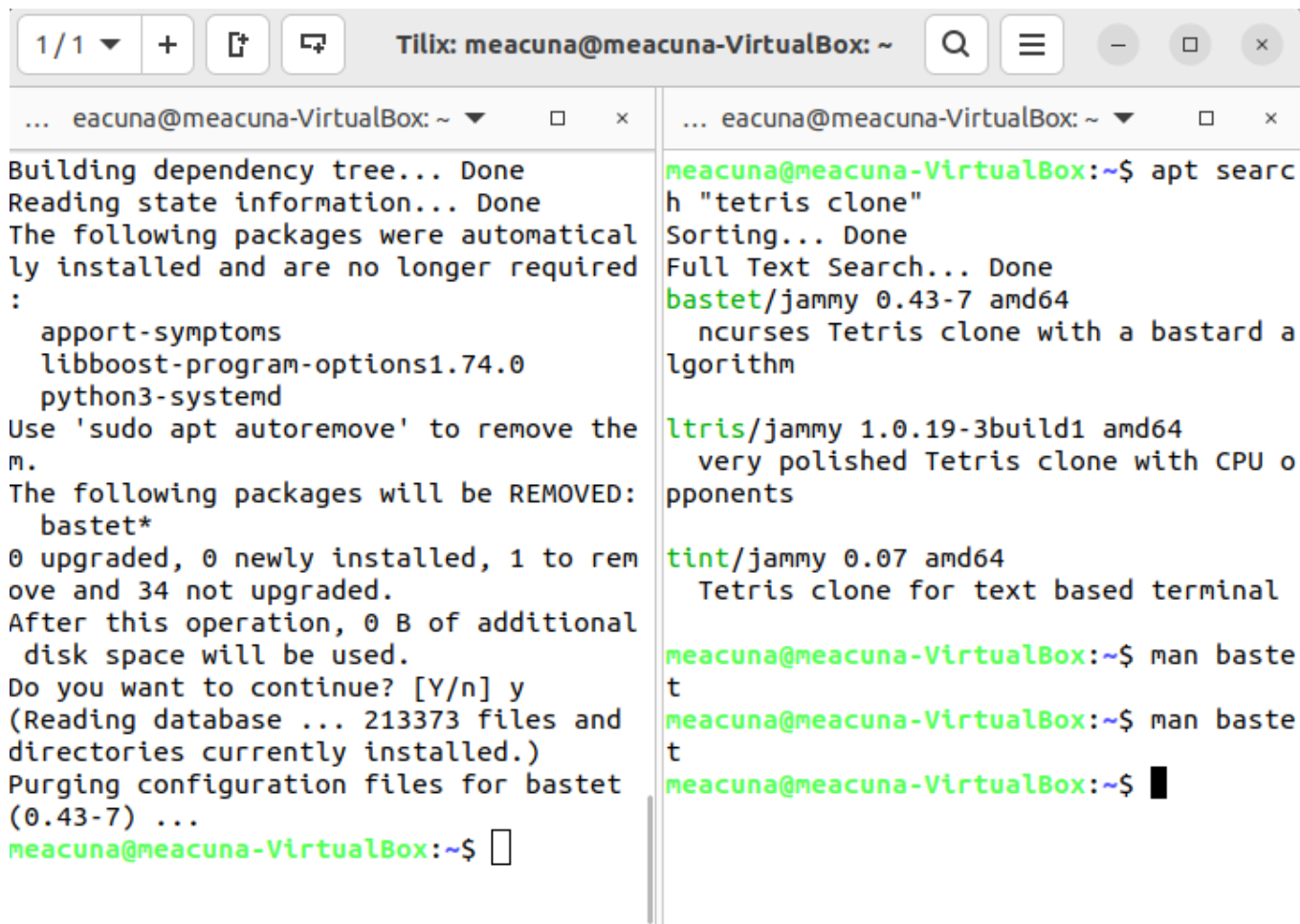
```

1: meacuna@meacuna-VirtualBox: ~
failed to load config: failed to get cwd: stat .: permission denied
meacuna@meacuna-VirtualBox:~$ python3-pip
Command 'python3-pip' not found, did you mean:
  command 'python3-pie' from deb python3 (3.10.6-1~22.04)
Try: sudo apt install <deb name>
meacuna@meacuna-VirtualBox:~$ sudo apt install python3-pip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3-pip is already the newest version (22.0.2+dfsg-1ubuntu0.4).
The following packages were automatically installed and are no longer required:
  apport-symptoms python3-systemd
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 34 not upgraded.
meacuna@meacuna-VirtualBox:~$ Cheat tar| pygmentize
Command 'Cheat' not found, did you mean:
  command 'heat' from snap openstackclients (xena)
  command 'cheat' from snap cheat (4.4.0.build.2)
  command 'heat' from deb python3-heatclient (2.5.1-0ubuntu1)
See 'snap info <snapname>' for additional versions.

meacuna@meacuna-VirtualBox:~$ Sudo cheat tar | pygmentatize
Command 'Sudo' not found, did you mean:
  command 'ludo' from snap ludo (0.17.1)

```

Pratice 1: Managing software



The screenshot shows a terminal window titled "Tilix: meacuna@meacuna-VirtualBox: ~". It is split into two panes. The left pane shows the output of the command `sudo apt autoremove`, which lists packages to be removed and asks for confirmation. The right pane shows the output of `apt search "tetris clone"`, listing several Tetris clones available in the repository.

```
1 / 1 + [Tilix: meacuna@meacuna-VirtualBox: ~] [Search] [Menu] [Close]

... eacuna@meacuna-VirtualBox: ~ [Close]
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
:
  appport-symptoms
  libboost-program-options1.74.0
  python3-systemd
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  bastet*
0 upgraded, 0 newly installed, 1 to remove and 34 not upgraded.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] y
(Reading database ... 213373 files and directories currently installed.)
Purging configuration files for bastet (0.43-7) ...
meacuna@meacuna-VirtualBox:~$

... eacuna@meacuna-VirtualBox: ~ [Close]
meacuna@meacuna-VirtualBox:~$ apt search "tetris clone"
Sorting... Done
Full Text Search... Done
bastet/jammy 0.43-7 amd64
  ncurses Tetris clone with a bastard algorithm
ltris/jammy 1.0.19-3build1 amd64
  very polished Tetris clone with CPU optimizations
tint/jammy 0.07 amd64
  Tetris clone for text based terminal
meacuna@meacuna-VirtualBox:~$ man bastet
meacuna@meacuna-VirtualBox:~$ man bastet
meacuna@meacuna-VirtualBox:~$
```