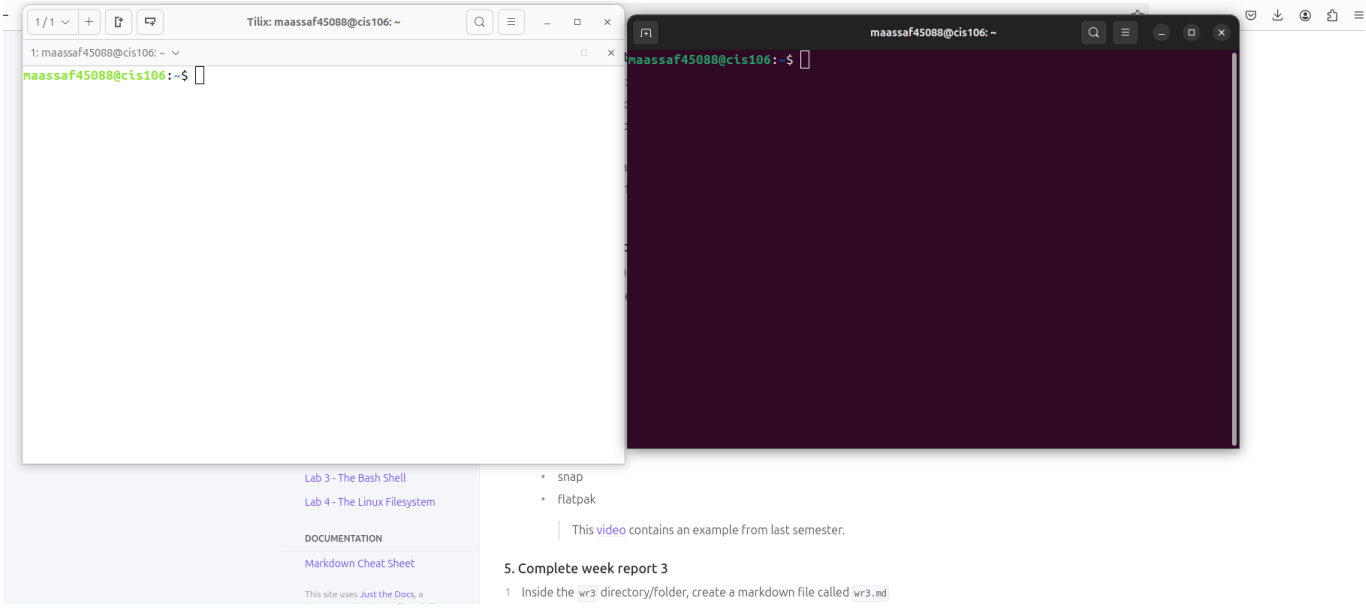
Week Repott #3

Completed Work Week #3

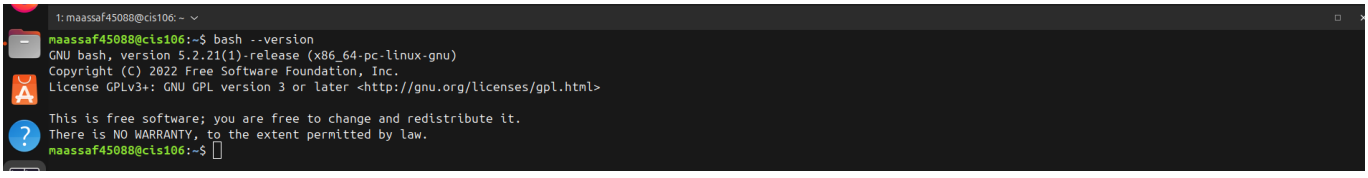
- lab3
- notes3
- managing software cheatsheet
- What is a shell
- Managing Software

Practice

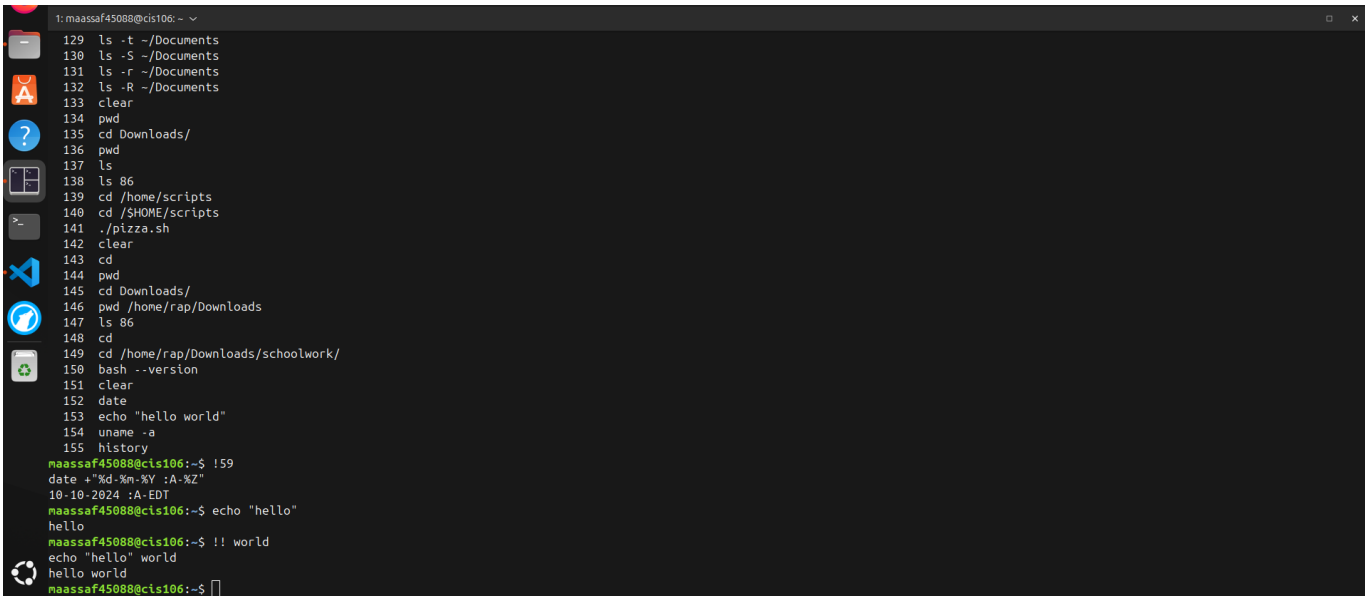
Practice 1



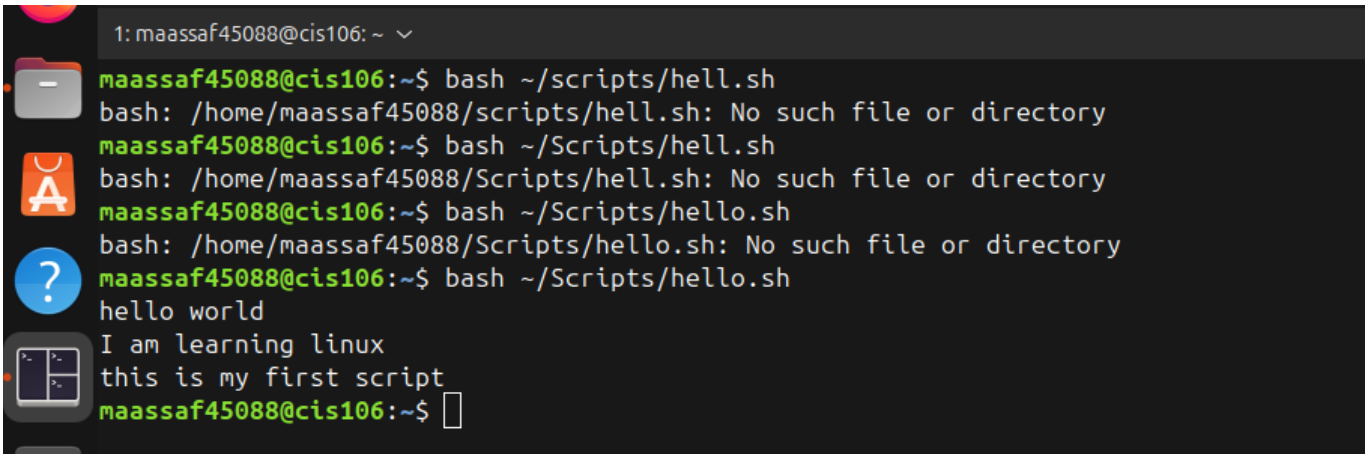
Practice 2



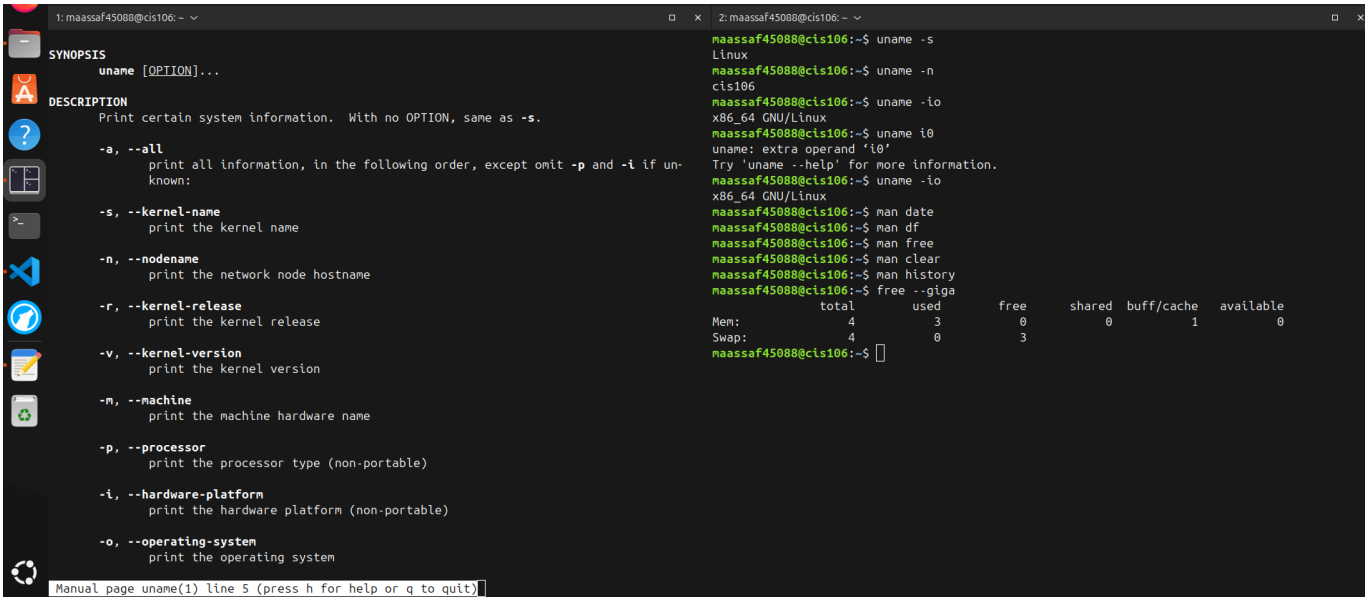
Practice 3



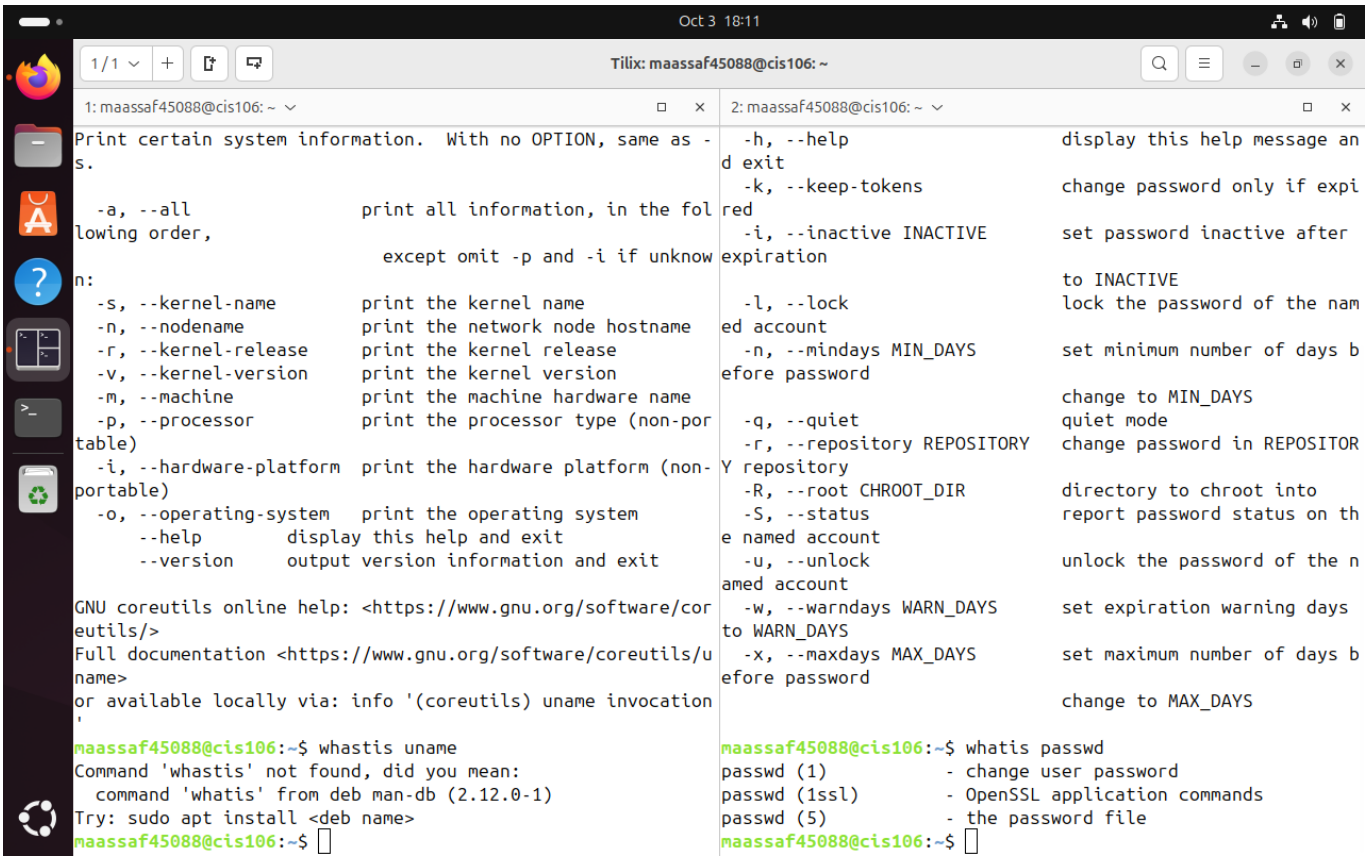
Practice 4



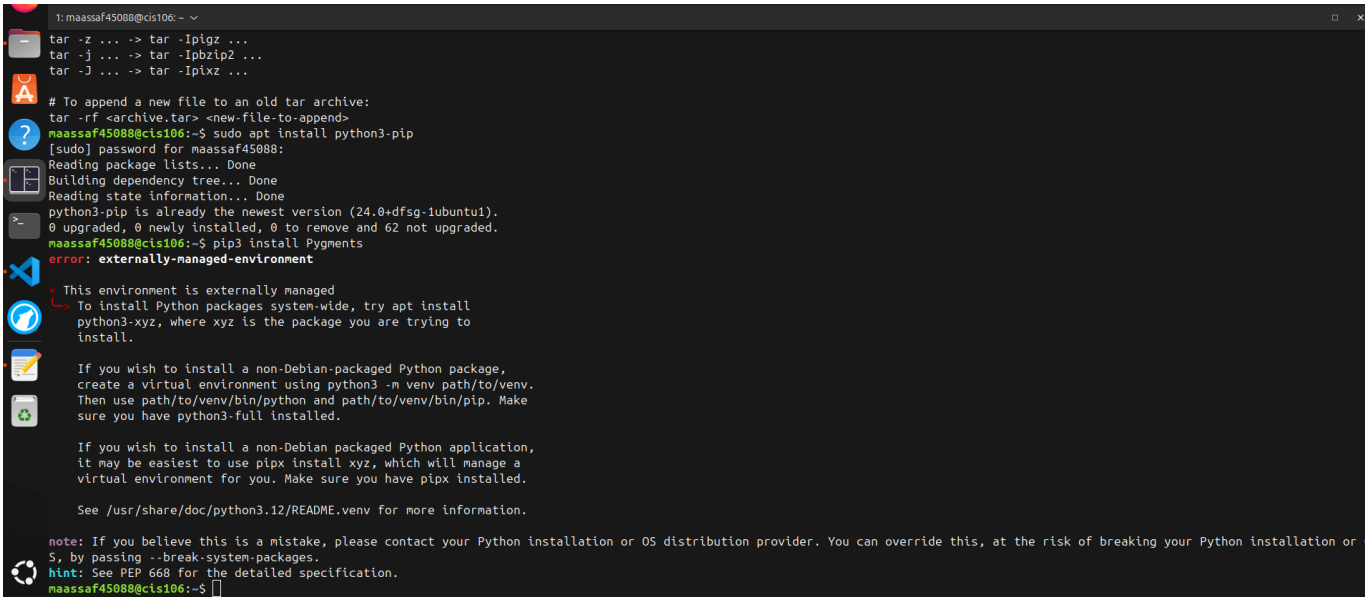
Practice 5



Practice 6


Oct 3 18:11
Tilix: maassaf45088@cis106: ~
1: maassaf45088@cis106: ~
2: maassaf45088@cis106: ~
Print certain system information. With no OPTION, same as -s.
-a, --all print all information, in the following order,
except omit -p and -i if unknown:
-s, --kernel-name print the kernel name
-n, --nodename print the network node hostname
-r, --kernel-release print the kernel release
-v, --kernel-version print the kernel version
-m, --machine print the machine hardware name
-p, --processor print the processor type (non-portable)
-i, --hardware-platform print the hardware platform (non-portable)
-o, --operating-system print the operating system
--help display this help and exit
--version output version information and exit
GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/uname>
or available locally via: info '(coreutils) uname invocation'
maassaf45088@cis106:~$ whastis uname
Command 'whastis' not found, did you mean:
command 'whatis' from deb man-db (2.12.0-1)
Try: sudo apt install <deb name>
maassaf45088@cis106:~$
-h, --help display this help message and exit
-k, --keep-tokens change password only if expired
-i, --inactive INACTIVE set password inactive after expiration
to INACTIVE
-l, --lock lock the password of the named account
-n, --mindays MIN_DAYS set minimum number of days before password
change to MIN_DAYS
-q, --quiet quiet mode
-r, --repository REPOSITORY change password in REPOSITORY repository
-R, --root CHROOT_DIR directory to chroot into
-S, --status report password status on the named account
-u, --unlock unlock the password of the named account
-w, --warndays WARN_DAYS set expiration warning days to WARN_DAYS
-x, --maxdays MAX_DAYS set maximum number of days before password
change to MAX_DAYS
maassaf45088@cis106:~$ whatis passwd
passwd (1) - change user password
passwd (1ssl) - OpenSSL application commands
passwd (5) - the password file
maassaf45088@cis106:~$

Practice 7


tar -z ... -> tar -Ipigz ...
tar -j ... -> tar -Ipbzip2 ...
tar -J ... -> tar -Ipixz ...
To append a new file to an old tar archive:
tar -rf <archive.tar> <new-file-to-append>
maassaf45088@cis106:~$ sudo apt install python3-pip
[sudo] password for maassaf45088:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
python3-pip is already the newest version (24.0+dfsg-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 62 not upgraded.
maassaf45088@cis106:~$ pip3 install Pygments
error: externally-managed-environment
× This environment is externally managed
╰─> To install Python packages system-wide, try apt install
python3-xyz, where xyz is the package you are trying to
install.
If you wish to install a non-Debian-packaged Python package,
create a virtual environment using python3 -m venv path/to/venv.
Then use path/to/venv/bin/python and path/to/venv/bin/pip. Make
sure you have python3-full installed.
If you wish to install a non-Debian packaged Python application,
it may be easiest to use pipx install xyz, which will manage a
virtual environment for you. Make sure you have pipx installed.
See /usr/share/doc/python3.12/README.venv for more information.
note: If you believe this is a mistake, please contact your Python installation or OS distribution provider. You can override this, at the risk of breaking your Python installation or OS, by passing --break-system-packages.
hint: See PEP 668 for the detailed specification.
maassaf45088@cis106:~$