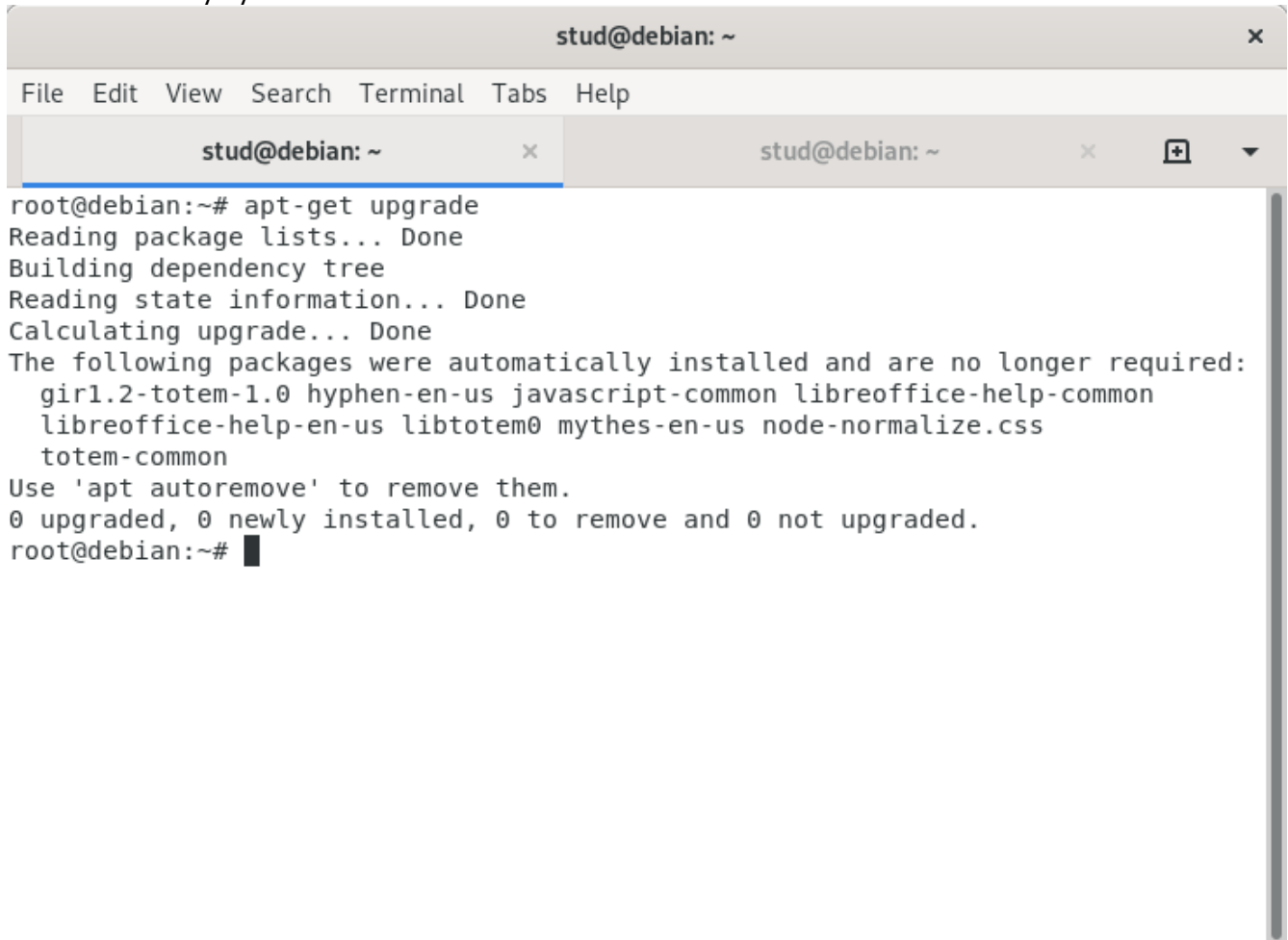


Laboratorium8

(A) Aktualizacja systemu, instalacja, aktualizacja i deinstalacja dodatkowego oprogramowania z wykorzystaniem pakietów instalacyjnych i repozytoriów oprogramowania

zaktualizowany system :



```
stud@debian: ~  
File Edit View Search Terminal Tabs Help  
stud@debian: ~  
root@debian:~# apt-get upgrade  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
Calculating upgrade... Done  
The following packages were automatically installed and are no longer required:  
  gir1.2-totem-1.0 hyphen-en-us javascript-common libreoffice-help-common  
  libreoffice-help-en-us libtotem0 mythes-en-us node-normalize.css  
  totem-common  
Use 'apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
root@debian:~#
```

zmiana odtwarzacza wideo:

```
stud@debian: ~  
File Edit View Search Terminal Tabs Help  
stud@debian: ~ x stud@debian: ~ x + ▾  
CLI for extracting video streams from various websites (documentation)  
  
python3-vlc/stable 3.0.4106-1 all  
  VLC Python bindings  
  
smtube/stable 18.3.0-1 amd64  
  YouTube videos browser  
  
streamlink/stable 1.0.0+dfsg-1 all  
  CLI for extracting video streams from various websites to a video player  
  
vlc/stable 3.0.10-0+deb10u1 amd64  
  multimedia player and streamer  
  
vlc-bin/stable,now 3.0.10-0+deb10u1 amd64 [installed,auto-removable]  
  binaries from VLC  
  
vlc-data/stable,now 3.0.10-0+deb10u1 all [installed,auto-removable]  
  common data for VLC  
  
vlc-l10n/stable,now 3.0.10-0+deb10u1 all [installed,auto-removable]  
  translations for VLC  
  
vlc-plugin-access-extra/stable 3.0.10-0+deb10u1 amd64
```

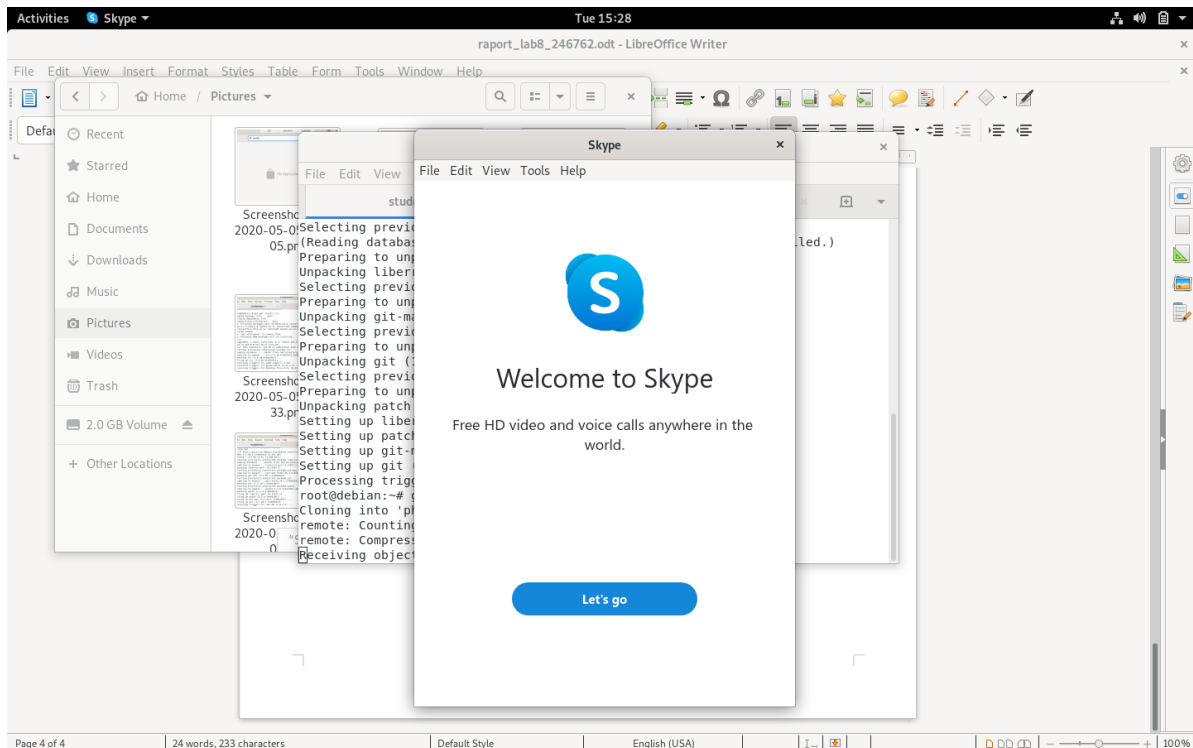
```
stud@debian: ~  
File Edit View Search Terminal Tabs Help  
stud@debian: ~ x stud@debian: ~ x + ▾  
  
root@debian:~# apt-get install vlc  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  gir1.2-totem-1.0 hyphen-en-us javascript-common libreoffice-help-common  
  libreoffice-help-en-us libtotem0 mythes-en-us node-normalize.css  
  totem-common  
Use 'apt autoremove' to remove them.  
The following NEW packages will be installed:  
  vlc  
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.  
Need to get 0 B/141 kB of archives.  
After this operation, 229 kB of additional disk space will be used.  
Selecting previously unselected package vlc.  
(Reading database ... 136701 files and directories currently installed.)  
Preparing to unpack .../vlc_3.0.10-0+deb10u1_amd64.deb ...  
Unpacking vlc (3.0.10-0+deb10u1) ...  
Setting up vlc (3.0.10-0+deb10u1) ...  
Processing triggers for mime-support (3.62) ...  
Processing triggers for gnome-menus (3.31.4-3) ...  
Processing triggers for desktop-file-utils (0.23-4) ...  
root@debian:~#
```

```
stud@debian: ~
File Edit View Search Terminal Tabs Help

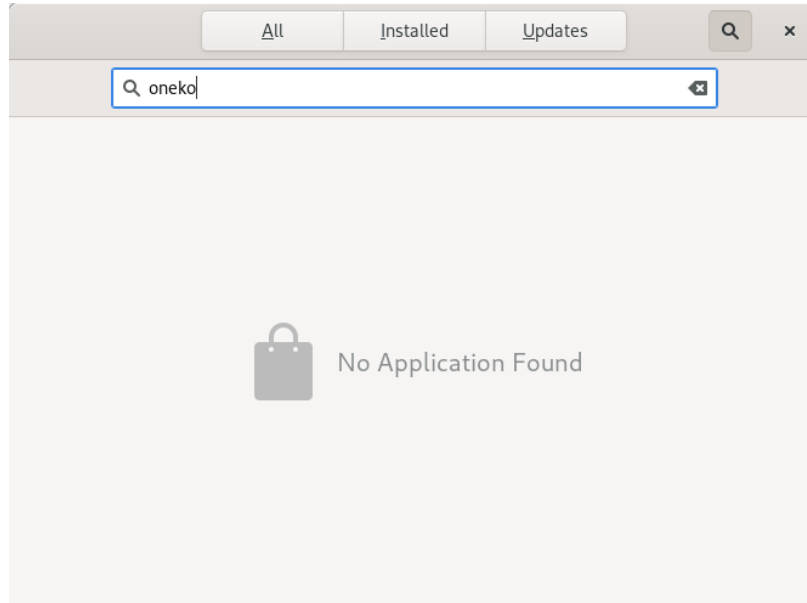
stud@debian: ~
stud@debian: ~

root@debian:~# apt-get remove totem
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  gir1.2-totem-1.0 hyphen-en-us javascript-common libreoffice-help-common
  libreoffice-help-en-us libtotem0 mythes-en-us node-normalize.css
  totem-common
Use 'apt autoremove' to remove them.
The following packages will be REMOVED:
  totem totem-plugins
0 upgraded, 0 newly installed, 2 to remove and 0 not upgraded.
After this operation, 1,049 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 136801 files and directories currently installed.)
Removing totem-plugins (3.30.0-4) ...
Removing totem (3.30.0-4) ...
Processing triggers for mime-support (3.62) ...
Processing triggers for gnome-menus (3.31.4-3) ...
Processing triggers for desktop-file-utils (0.23-4) ...
root@debian:~#
```

skype:



oneko:



```
Activities Terminal Tue 15:43
raport_lab8_246762.odt - LibreOffice Writer
File Edit View Insert Format Styles Table Form Tools Window Help
Default Style Cantarell
stud@debian: ~
File Edit View Search Terminal Tabs Help
stud@debian: ~
The following packages were automatically installed and are no longer required:
girl1.2-totem-1.0 hyphen-en-us javascript-common libreoffice-help-common
libreoffice-help-en-us libtotem0 mythes-en-us node-normalize.css
totem-common
Use 'apt autoremove' to remove them.
The following NEW packages will be installed:
oneko
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 37.5 kB of archives.
After this operation, 116 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian buster/main amd64 oneko amd64 1.2.sakura.6-1
4 [37.5 kB]
Fetched 37.5 kB in 1s (61.7 kB/s)
Selecting previously unselected package oneko.
(Reading database ... 143782 files and directories currently installed.)
Preparing to unpack .../oneko_1.2.sakura.6-14_amd64.deb ...
Unpacking oneko (1.2.sakura.6-14) ...
Setting up oneko (1.2.sakura.6-14) ...
Processing triggers for mime-support (3.62) ...
Processing triggers for gnome-menus (3.31.4-3) ...
Processing triggers for man-db (2.8.5-2) ...
Processing triggers for desktop-file-utils (0.23-4) ...
root@debian:~#
```

* instalacja php 7.4 :

zainstalowanie git :

```
stud@debian: ~  
File Edit View Search Terminal Tabs Help  
stud@debian: ~ x stud@debian: ~ x + ▾  
1 [126 kB]  
Get:4 http://security.debian.org/debian-security buster/updates/main amd64 git  
amd64 1:2.20.1-2+deb10u3 [5,633 kB]  
Fetched 7,411 kB in 5s (1,600 kB/s)  
Selecting previously unselected package liberror-perl.  
(Reading database ... 136720 files and directories currently installed.)  
Preparing to unpack .../liberror-perl_0.17027-2_all.deb ...  
Unpacking liberror-perl (0.17027-2) ...  
Selecting previously unselected package git-man.  
Preparing to unpack .../git-man_1%3a2.20.1-2+deb10u3_all.deb ...  
Unpacking git-man (1:2.20.1-2+deb10u3) ...  
Selecting previously unselected package git.  
Preparing to unpack .../git_1%3a2.20.1-2+deb10u3_amd64.deb ...  
Unpacking git (1:2.20.1-2+deb10u3) ...  
Selecting previously unselected package patch.  
Preparing to unpack .../patch_2.7.6-3+deb10u1_amd64.deb ...  
Unpacking patch (2.7.6-3+deb10u1) ...  
Setting up liberror-perl (0.17027-2) ...  
Setting up patch (2.7.6-3+deb10u1) ...  
Setting up git-man (1:2.20.1-2+deb10u3) ...  
Setting up git (1:2.20.1-2+deb10u3) ...  
Processing triggers for man-db (2.8.5-2) ...  
root@debian:~#
```

pobranie
php :

```
stud@debian: ~  
File Edit View Search Terminal Tabs Help  
stud@debian: ~ x stud@debian: ~ x + ▾  
Unpacking liberror-perl (0.17027-2) ...  
Selecting previously unselected package git-man.  
Preparing to unpack .../git-man_1%3a2.20.1-2+deb10u3_all.deb ...  
Unpacking git-man (1:2.20.1-2+deb10u3) ...  
Selecting previously unselected package git.  
Preparing to unpack .../git_1%3a2.20.1-2+deb10u3_amd64.deb ...  
Unpacking git (1:2.20.1-2+deb10u3) ...  
Selecting previously unselected package patch.  
Preparing to unpack .../patch_2.7.6-3+deb10u1_amd64.deb ...  
Unpacking patch (2.7.6-3+deb10u1) ...  
Setting up liberror-perl (0.17027-2) ...  
Setting up patch (2.7.6-3+deb10u1) ...  
Setting up git-man (1:2.20.1-2+deb10u3) ...  
Setting up git (1:2.20.1-2+deb10u3) ...  
Processing triggers for man-db (2.8.5-2) ...  
root@debian:~# git clone http://git.php.net/repository/php-src.git  
Cloning into 'php-src'...  
remote: Counting objects: 856124, done.  
remote: Compressing objects: 100% (164254/164254), done.  
remote: Total 856124 (delta 693940), reused 851929 (delta 690384)  
Receiving objects: 100% (856124/856124), 230.24 MiB | 516.00 KiB/s, done.  
Resolving deltas: 100% (693940/693940), done.  
root@debian:~#
```

sprawdzenie wersji:

```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~ x stud@debian: ~ x + ▾

Preparing to unpack .../patch_2.7.6-3+deb10u1_amd64.deb ...
Unpacking patch (2.7.6-3+deb10u1) ...
Setting up liberror-perl (0.17027-2) ...
Setting up patch (2.7.6-3+deb10u1) ...
Setting up git-man (1:2.20.1-2+deb10u3) ...
Setting up git (1:2.20.1-2+deb10u3) ...
Processing triggers for man-db (2.8.5-2) ...
root@debian:~# git clone http://git.php.net/repository/php-src.git
Cloning into 'php-src'...
remote: Counting objects: 856124, done.
remote: Compressing objects: 100% (164254/164254), done.
remote: Total 856124 (delta 693940), reused 851929 (delta 690384)
Receiving objects: 100% (856124/856124), 230.24 MiB | 516.00 KiB/s, done.
Resolving deltas: 100% (693940/693940), done.
root@debian:~# cd php-src/
root@debian:~/php-src# git checkout php-7.4
error: pathspec 'php-7.4' did not match any file(s) known to git
root@debian:~/php-src# git checkout
Display all 1711 possibilities? (y or n)
root@debian:~/php-src# git checkout PHP-7.4
Branch 'PHP-7.4' set up to track remote branch 'PHP-7.4' from 'origin'.
Switched to a new branch 'PHP-7.4'
root@debian:~/php-src# █
```

instalacja:

```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~ x stud@debian: ~ x + ▾

update-alternatives: using /usr/bin/automake-1.16 to provide /usr/bin/automake
(automake) in auto mode
Setting up gcc-8 (8.3.0-6) ...
Setting up libtool (2.4.6-9) ...
Setting up gcc (4:8.3.0-1) ...
Setting up libltdl-dev:amd64 (2.4.6-9) ...
Setting up g++-8 (8.3.0-6) ...
Setting up g++ (4:8.3.0-1) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto m
ode
Setting up build-essential (12.6) ...
Processing triggers for man-db (2.8.5-2) ...
Processing triggers for libc-bin (2.28-10) ...
root@debian:~/php-src# ./buildconf
buildconf: Checking installation
buildconf: autoconf version 2.69 (ok)
buildconf: Cleaning cache and configure files
buildconf: Rebuilding configure
buildconf: Rebuilding main/php_config.h.in
buildconf: Run ./configure to proceed with customizing the PHP build.
root@debian:~/php-src# ./configure --disable-all
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
```

```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~ x stud@debian: ~ x + -

config.status: creating main/build-defs.h
config.status: creating scripts/phpize
config.status: creating scripts/man1/phpize.1
config.status: creating scripts/php-config
config.status: creating scripts/man1/php-config.1
config.status: creating sapi/cli/php.1
config.status: creating sapi/phpdbg/phpdbg.1
config.status: creating sapi/cgi/php-cgi.1
config.status: creating main/php_config.h
config.status: executing default commands

+-----+
| License:                                     |
| This software is subject to the PHP License, available in this |
| distribution in the file LICENSE. By continuing this installation |
| process, you are bound by the terms of this license agreement. |
| If you do not agree with the terms of this license, you must abort |
| the installation process at this point. |
+-----+

Thank you for using PHP.

root@debian:~/php-src#
```

test:


```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~
stud@debian: ~

This report can be automatically sent to the PHP QA team at
http://qa.php.net/reports and http://news.php.net/php.qa.reports
This gives us a better understanding of PHP's behavior.
If you don't want to send the report immediately you can choose
option "s" to save it. You can then email it to qa-reports@lists.php.net later
.
Do you want to send this report now? [Yns]: root@debian:~/php-src# make install
Installing PHP CLI binary:      /usr/local/bin/
Installing PHP CLI man page:    /usr/local/php/man/man1/
Installing phpdbg binary:      /usr/local/bin/
Installing phpdbg man page:    /usr/local/php/man/man1/
Installing PHP CGI binary:     /usr/local/bin/
Installing PHP CGI man page:   /usr/local/php/man/man1/
Installing build environment:  /usr/local/lib/php/build/
Installing header files:       /usr/local/include/php/
Installing helper programs:    /usr/local/bin/
    program: phpize
    program: php-config
Installing man pages:          /usr/local/php/man/man1/
    page: phpize.1
    page: php-config.1
root@debian:~/php-src#
```

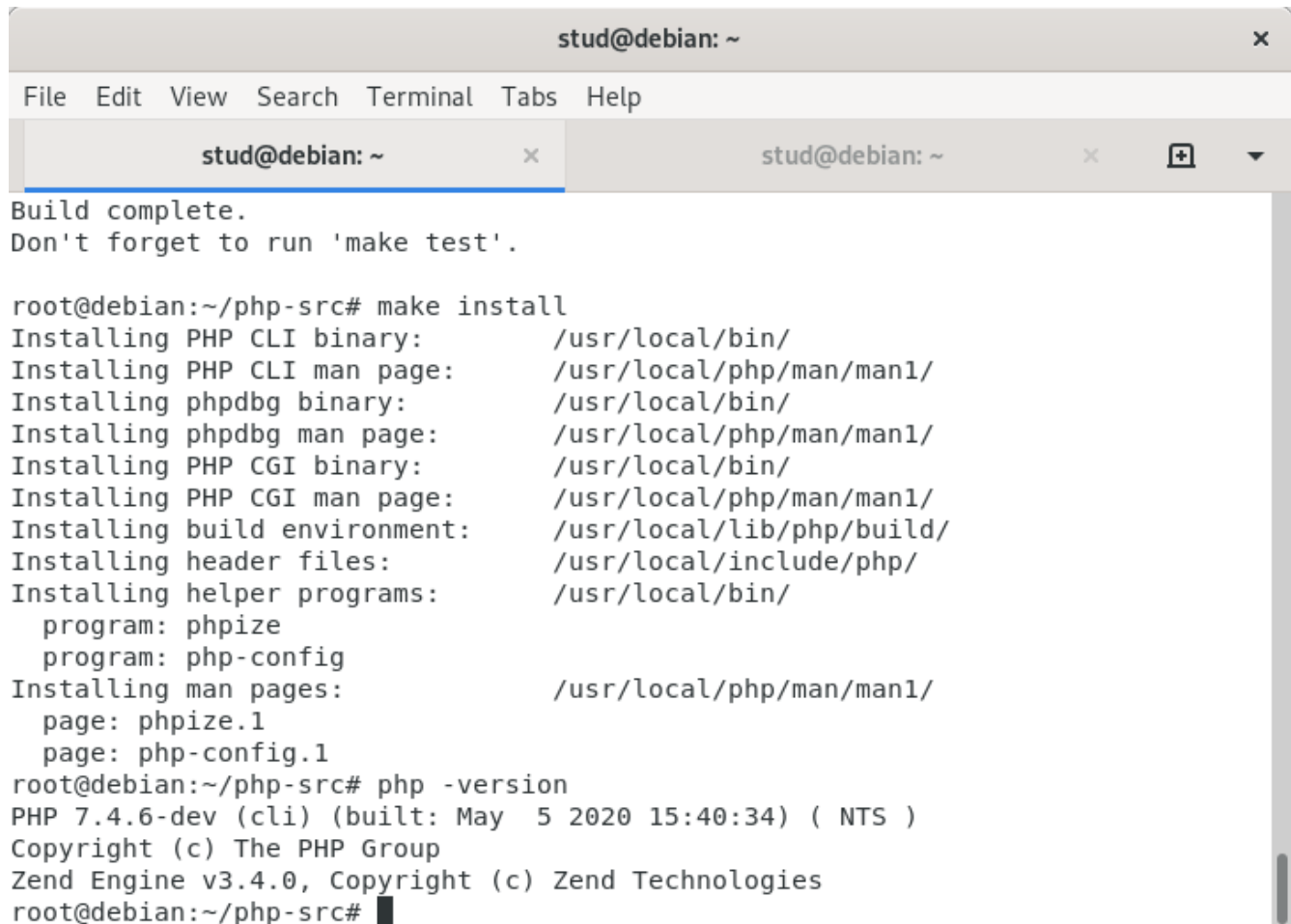
```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~
stud@debian: ~

page: phpize.1
page: php-config.1
root@debian:~/php-src# make

Build complete.
Don't forget to run 'make test'.

root@debian:~/php-src# make install
Installing PHP CLI binary:      /usr/local/bin/
Installing PHP CLI man page:    /usr/local/php/man/man1/
Installing phpdbg binary:      /usr/local/bin/
Installing phpdbg man page:    /usr/local/php/man/man1/
Installing PHP CGI binary:     /usr/local/bin/
Installing PHP CGI man page:   /usr/local/php/man/man1/
Installing build environment:  /usr/local/lib/php/build/
Installing header files:       /usr/local/include/php/
Installing helper programs:    /usr/local/bin/
    program: phpize
    program: php-config
Installing man pages:          /usr/local/php/man/man1/
    page: phpize.1
    page: php-config.1
root@debian:~/php-src#
```



```
stud@debian: ~
File Edit View Search Terminal Tabs Help

stud@debian: ~ x stud@debian: ~ x

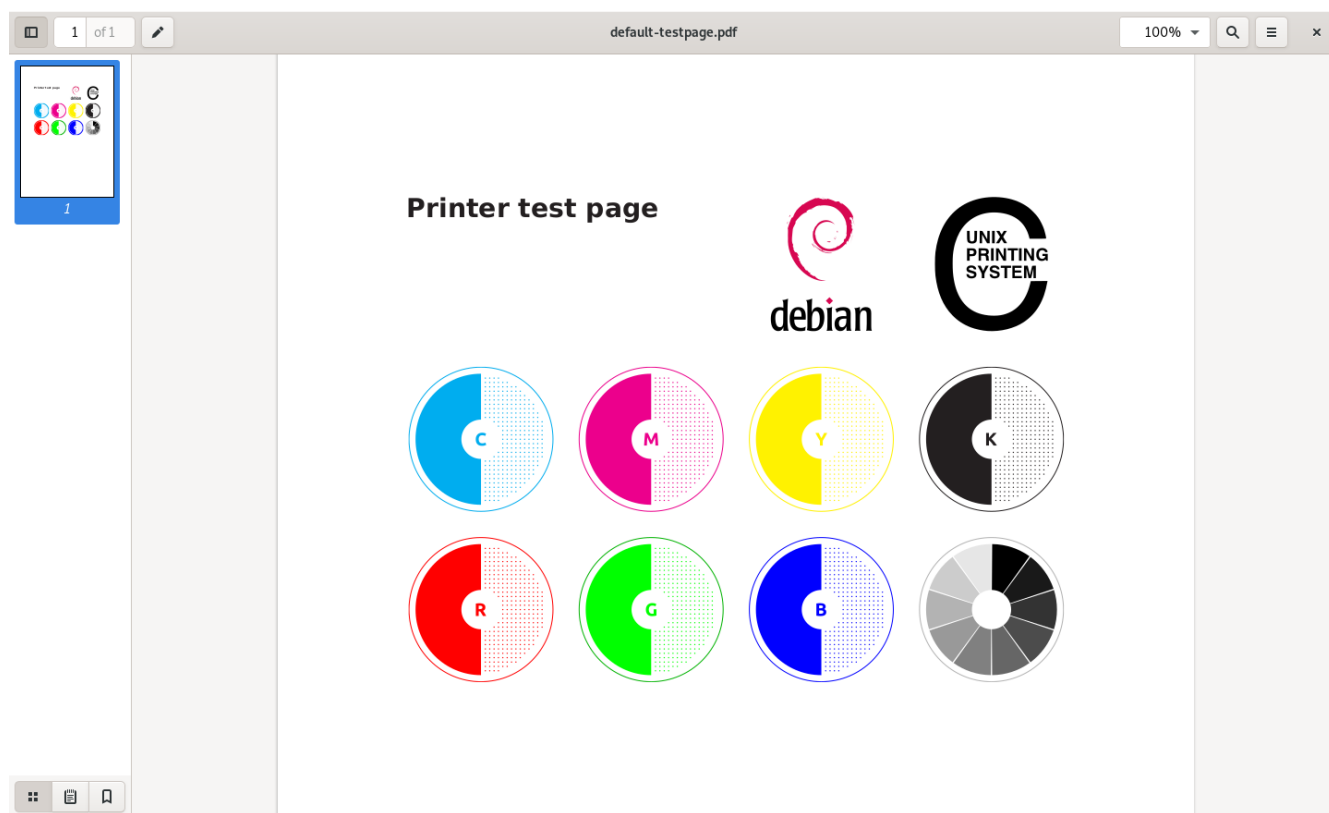
Build complete.
Don't forget to run 'make test'.

root@debian:~/php-src# make install
Installing PHP CLI binary: /usr/local/bin/
Installing PHP CLI man page: /usr/local/php/man/man1/
Installing phpdbg binary: /usr/local/bin/
Installing phpdbg man page: /usr/local/php/man/man1/
Installing PHP CGI binary: /usr/local/bin/
Installing PHP CGI man page: /usr/local/php/man/man1/
Installing build environment: /usr/local/lib/php/build/
Installing header files: /usr/local/include/php/
Installing helper programs: /usr/local/bin/
    program: phpize
    program: php-config
Installing man pages: /usr/local/php/man/man1/
    page: phpize.1
    page: php-config.1
root@debian:~/php-src# php -version
PHP 7.4.6-dev (cli) (built: May 5 2020 15:40:34) ( NTS )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
root@debian:~/php-src#
```

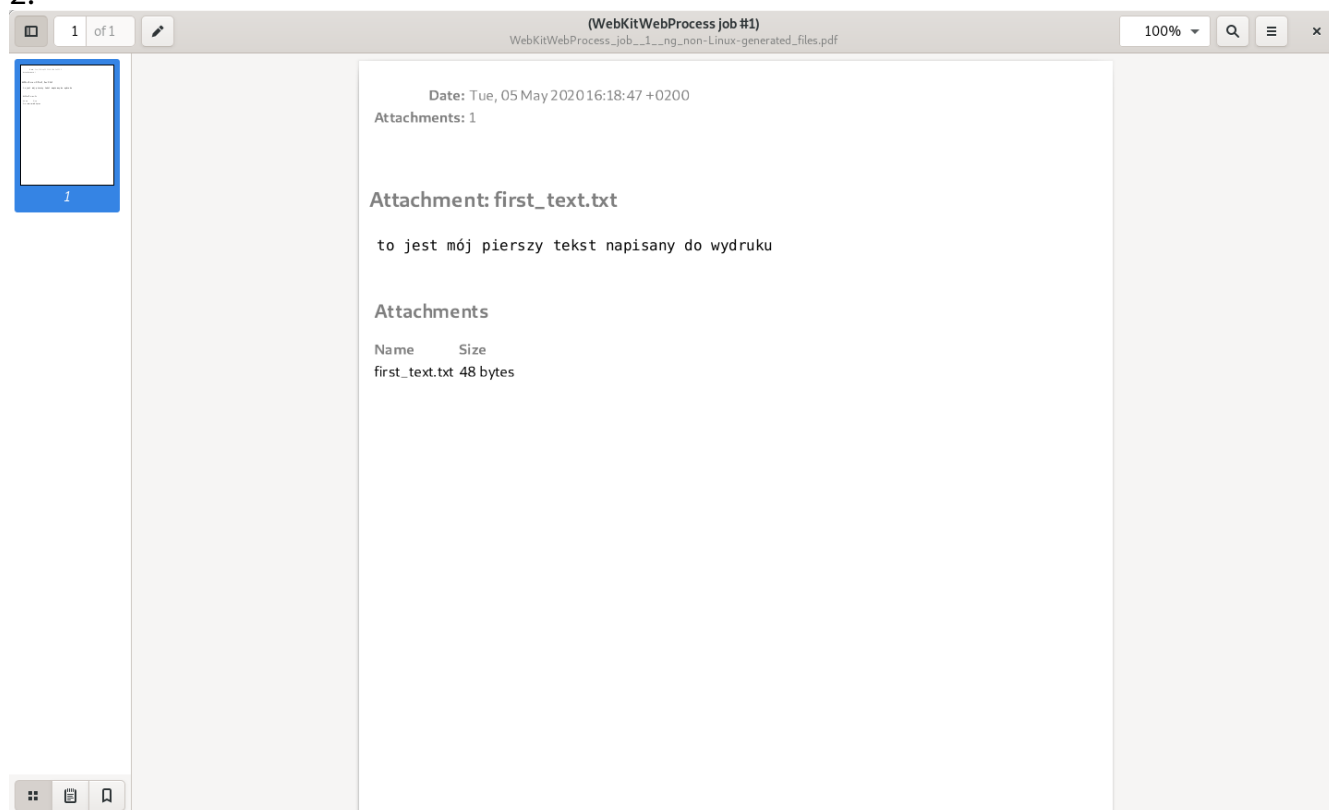
(B) Konfigurowanie drukowania w Środowisku Linux. Środowisko graficzne – X Windows

1.

był niewielki problem ze znalezieniem zapisanego wydruku testowego, był on w `usrshare/cups/data/`

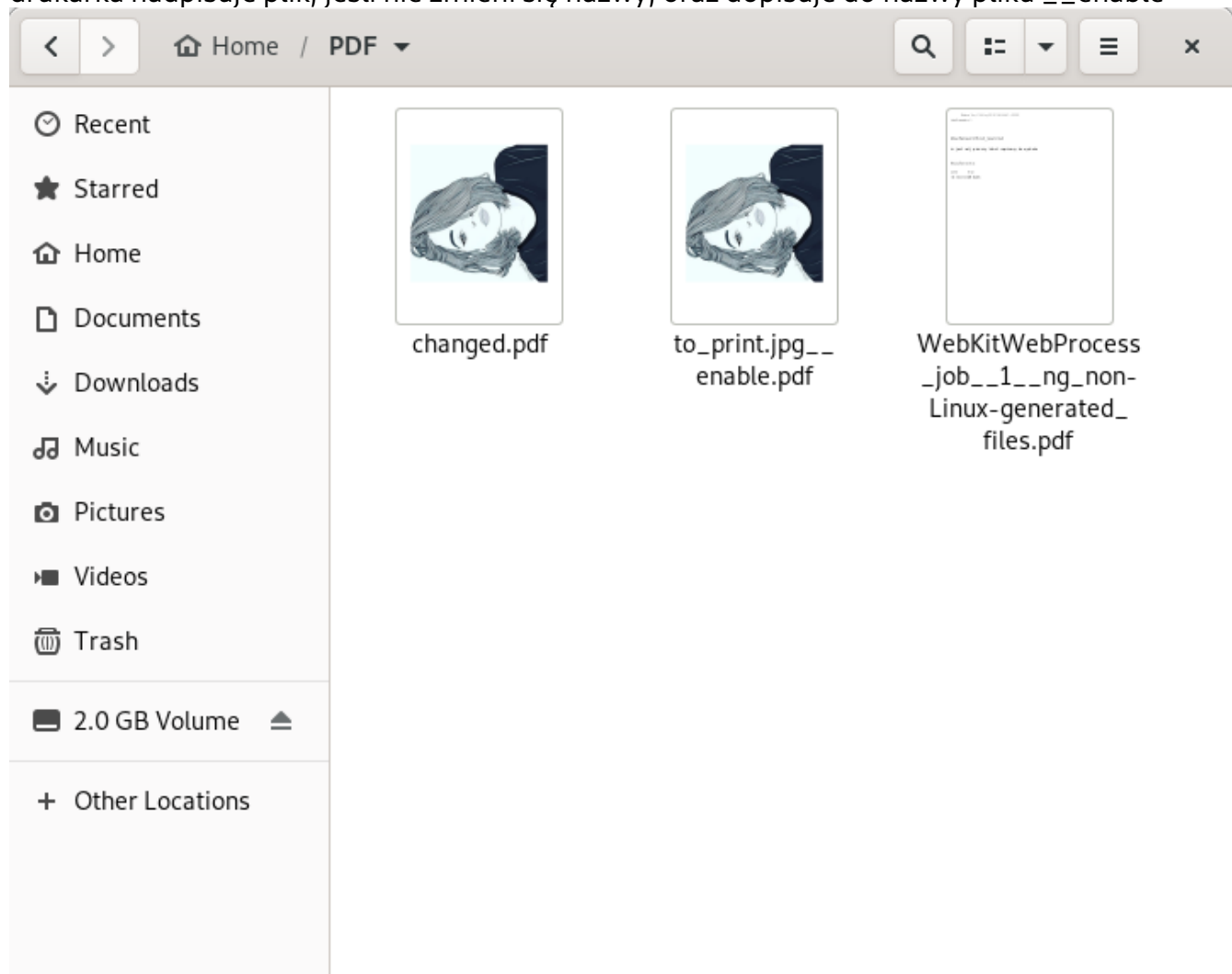


2.



3.

drukarka nadpisuje plik, jeśli nie zmieni się nazwy, oraz dopisuje do nazwy pliku __enable



4. wydruki czekające w kolejce zostaną wznowione, ale na liście zrobionych pojawiło się jako jedno zadanie bez danych o czasie wykonania

Virtual_PDF_Printer

Virtual_PDF_Printer (Paused, Accepting Jobs, Not Shared)

Maintenance

Administration

Description: Virtual PDF Printer

Location: Local Printer

Driver: Generic CUPS-PDF Printer (no options) (color)

Connection: cups-pdf/

Defaults: job-sheets=none, none media=na_letter_8.5x11in sides=one-sided

Jobs

Search in Virtual_PDF_Printer:

Search

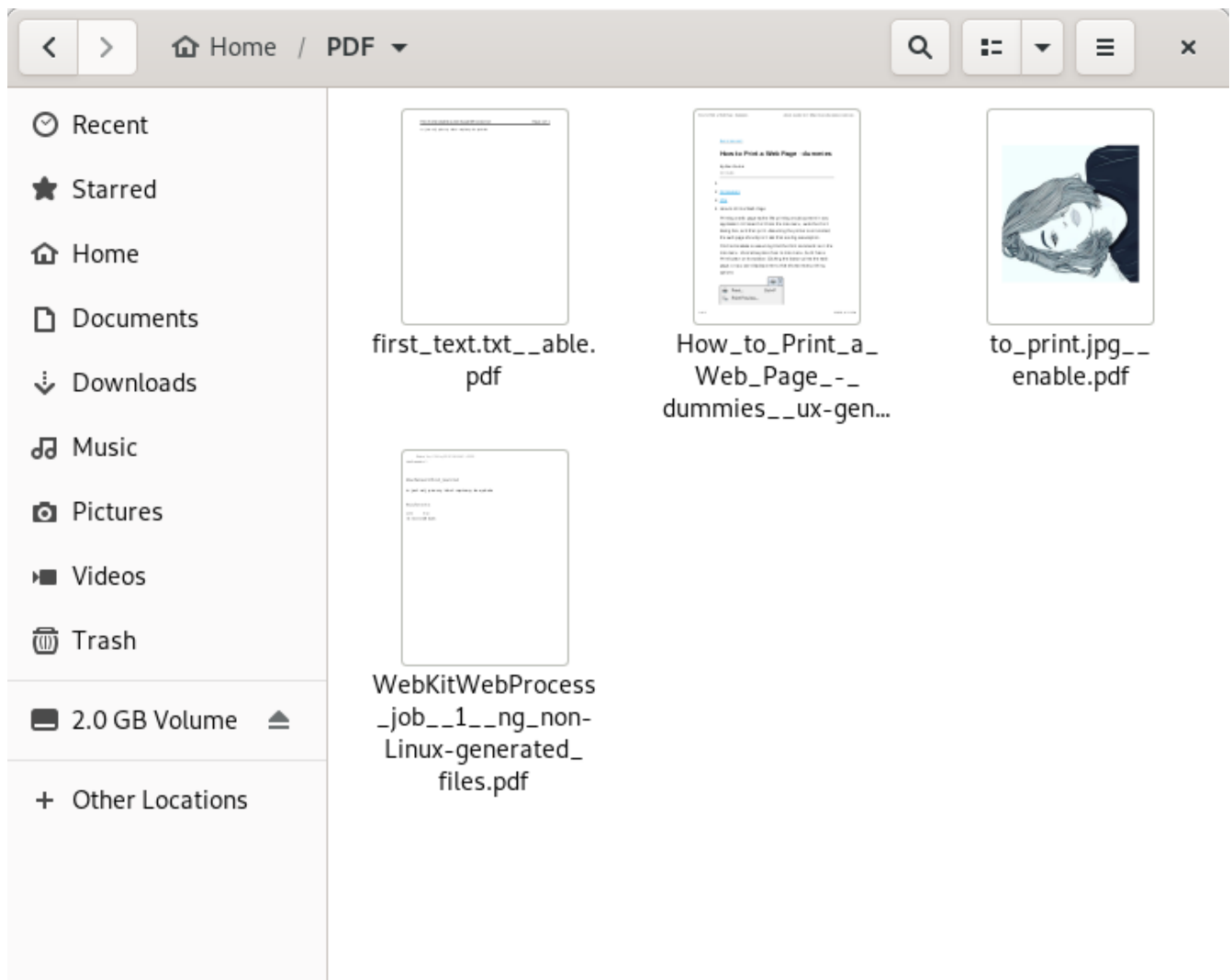
Clear

Show Completed Jobs

Show All Jobs

Jobs listed in print order; held jobs appear first.

ID	Name	User	Size	Pages	State	Control
Virtual_PDF_Printer-12	Unknown	Withheld	17k	Unknown	pending since Tue 05 May 2020 04:28:19 PM CEST	Hold Job Cancel Job Move Job
Virtual_PDF_Printer-13	Unknown	Withheld	55k	Unknown	pending since Tue 05 May 2020 04:28:30 PM CEST	Hold Job Cancel Job Move Job
Virtual_PDF_Printer-14	Unknown	Withheld	202k	Unknown	pending since Tue 05 May 2020 04:31:08 PM CEST	Hold Job Cancel Job Move Job



5.

server poczty PWr x AdminLin_lab8.pdf x Printers - CUPS 2.2.10 x grafika - Szukaj w Goog... x How to Print a Web Page x

localhost:631/printers/

CUPS.org Home Administration Classes Help Jobs **Printers**

Printers

Search in Printers:

Showing 1 of 1 printer.

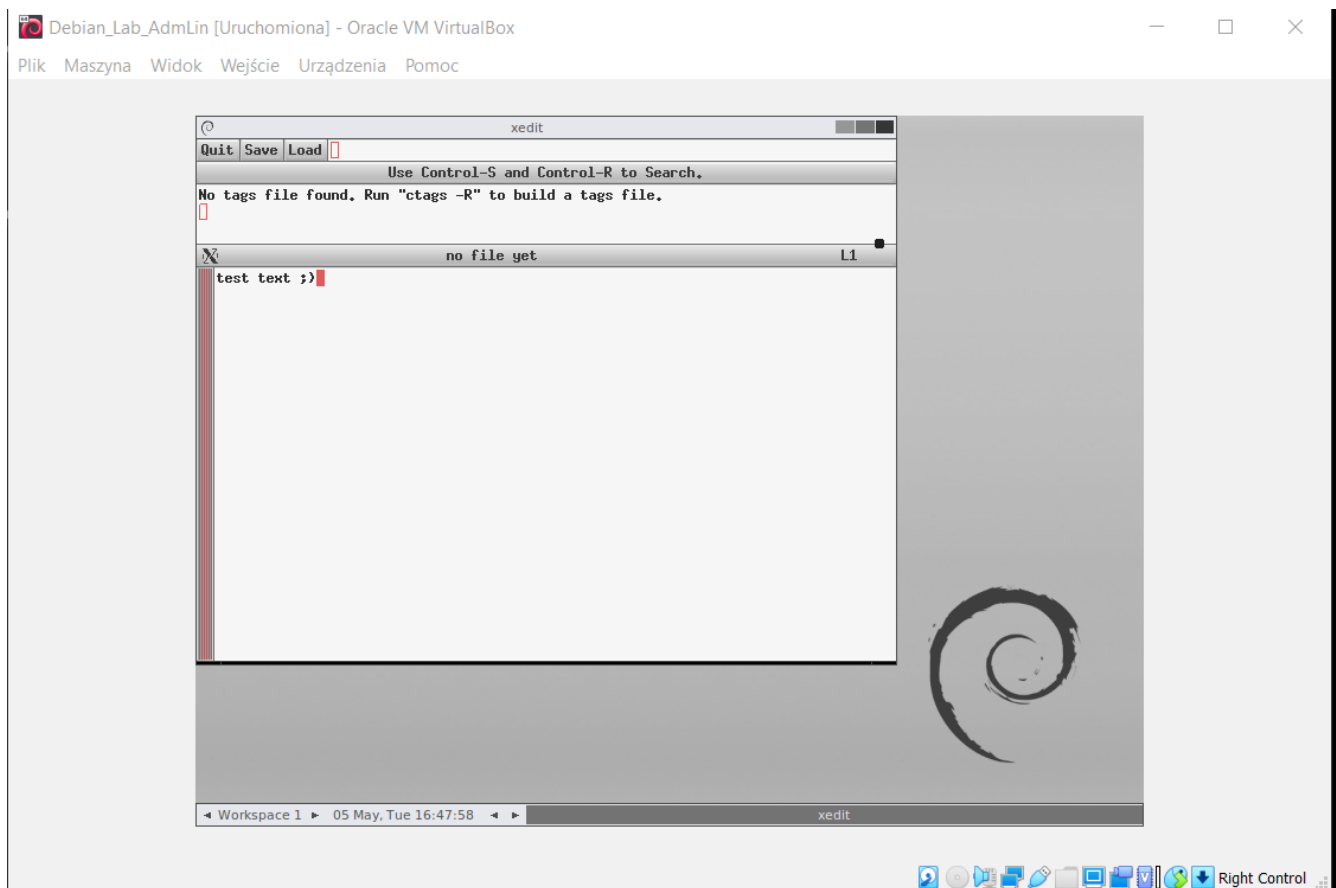
Queue Name	Description	Location	Make and Model	Status
PDF	PDF		Generic CUPS-PDF Printer (w/ options)	Idle

CUPS and the CUPS logo are trademarks of Apple Inc. Copyright © 2007-2018 Apple Inc. All rights reserved.

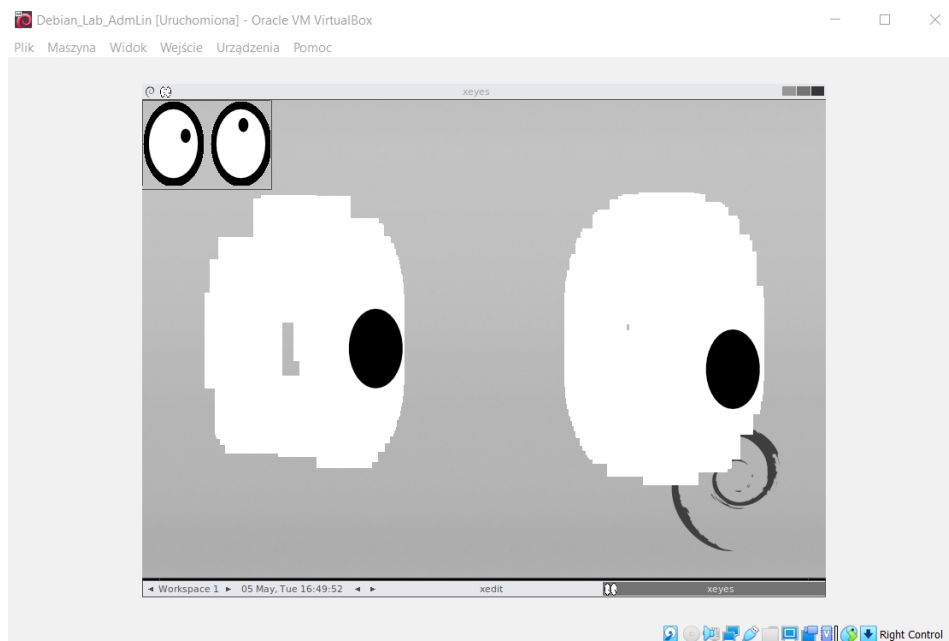
Testowanie Środowiska:

1. był problem znalezieniem aplikacji odpowiadającej za przeszukiwanie plików, oraz nie było pewności czy zrzuty ekrany były wykonywane. Więc zrzuty ekranu są zrobione wirtualnej maszyny (na window'sie).

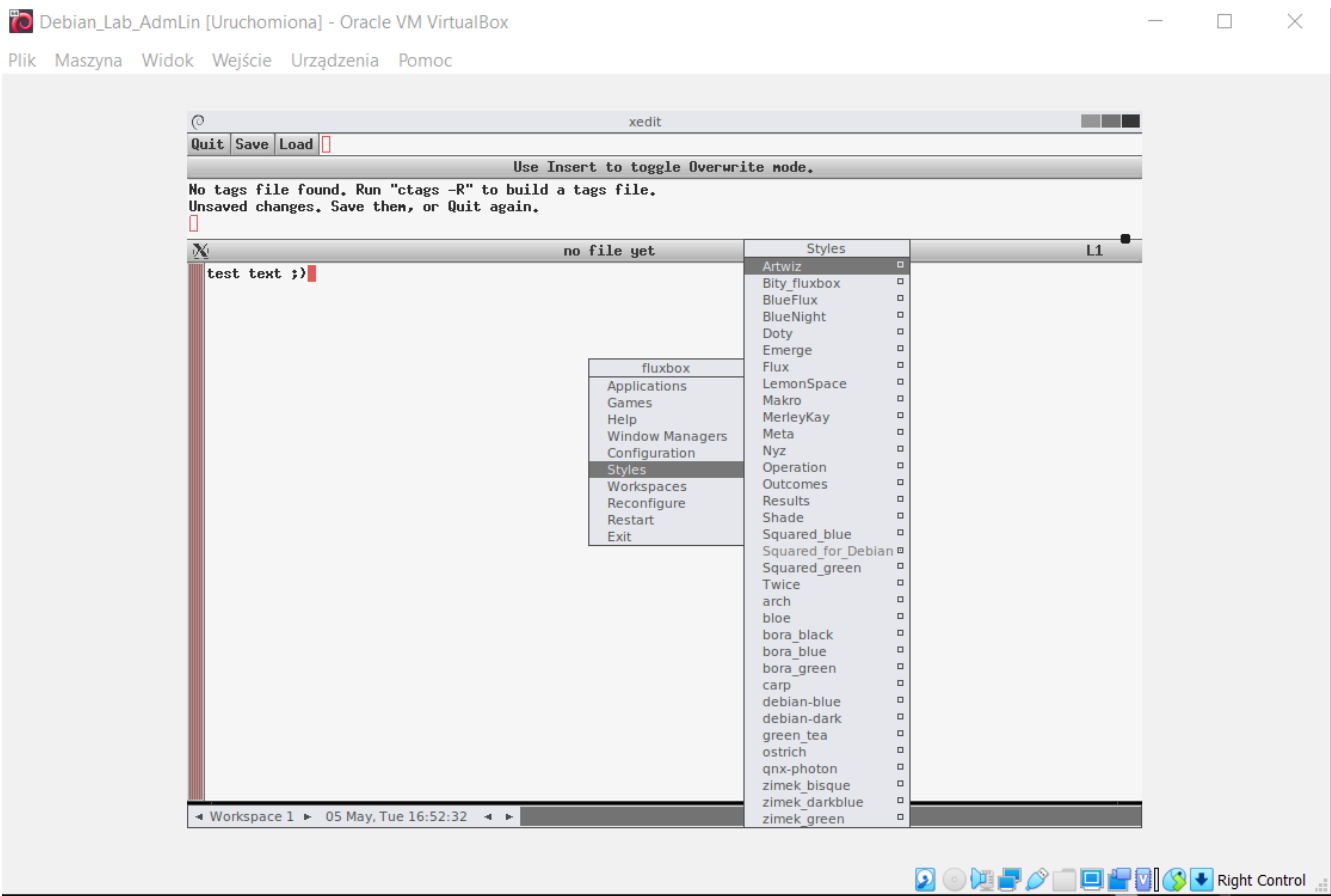
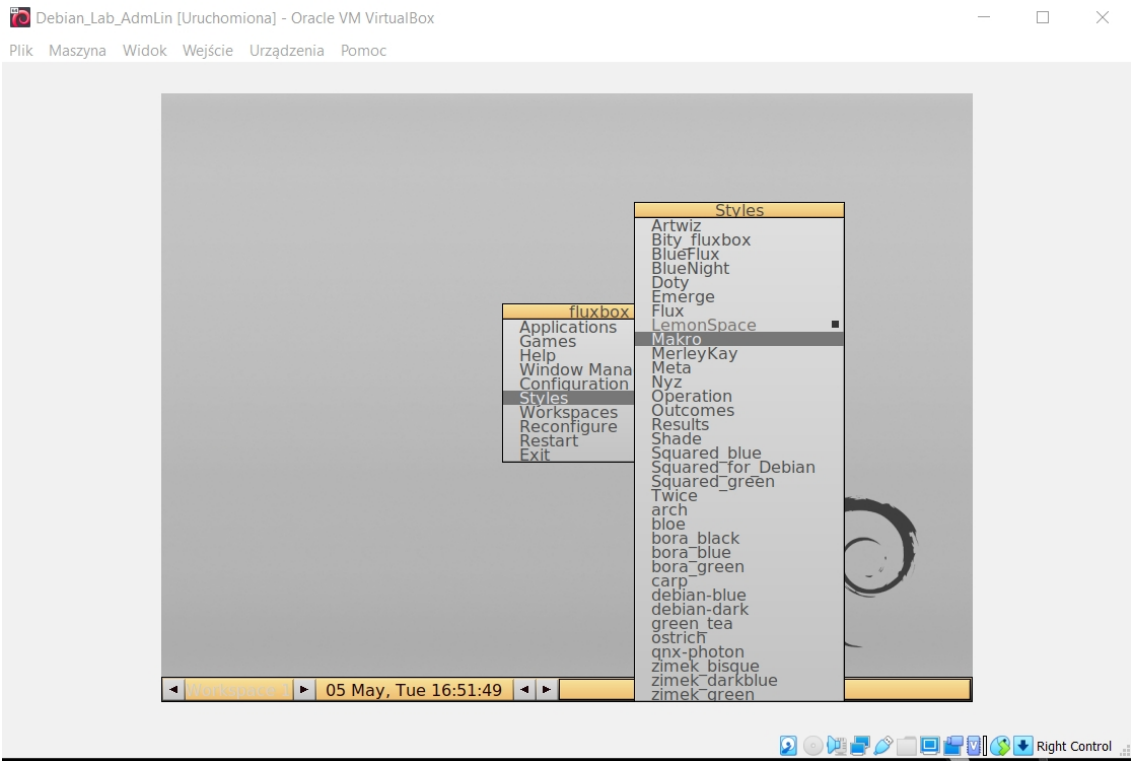
a) była tylko jedna aplikacja do edycji tekstu, o nazwie xedit



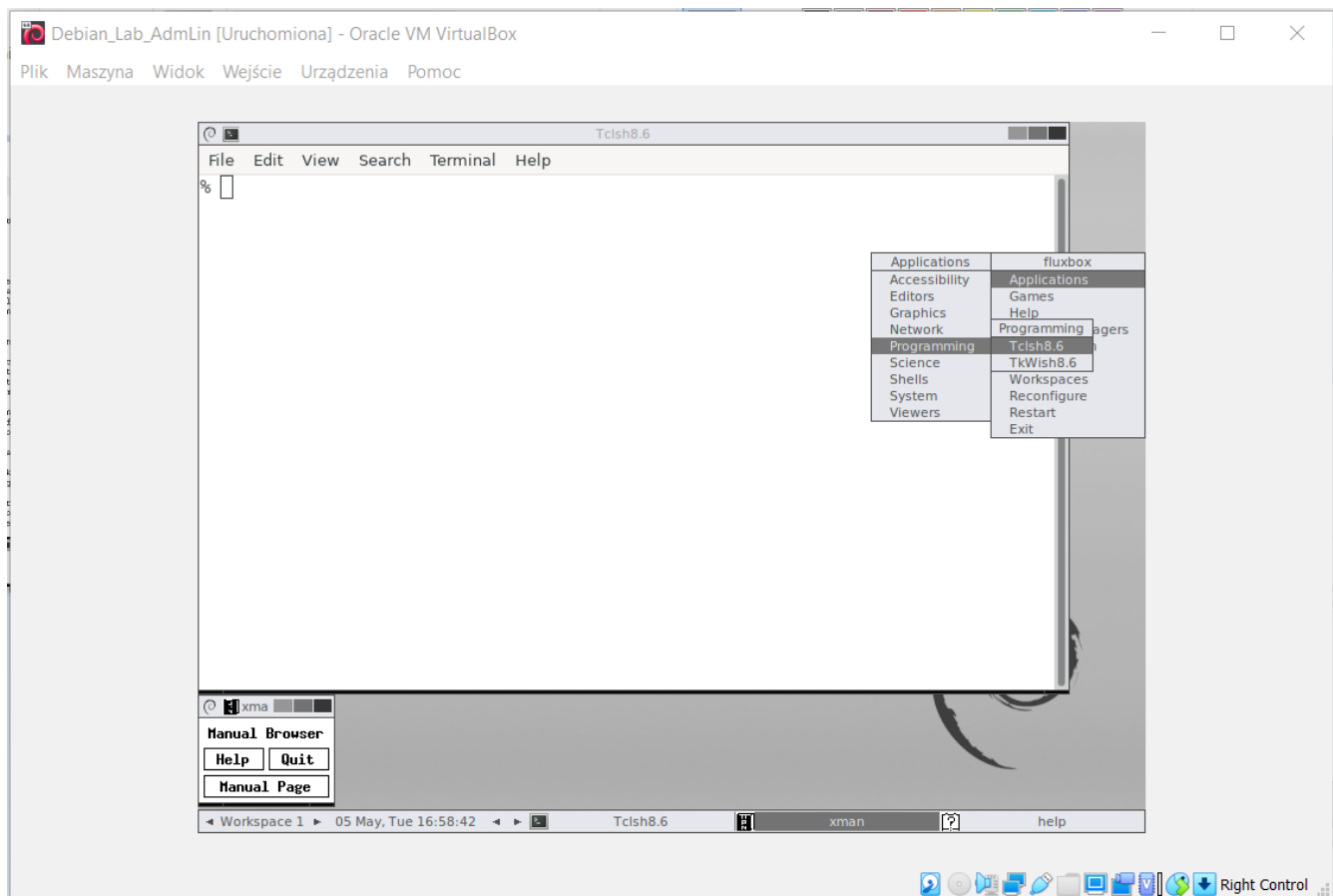
b) wydaje się, że ta gra polega na rysowaniu/ czyszczeniu pulpitu (po zmaksymalizowaniu gry) w obrębie oczu postaci. Oczy najprawdopodobniej podążają za kursorem, ale nie cały czas gątki patrzą w to samo miejsce



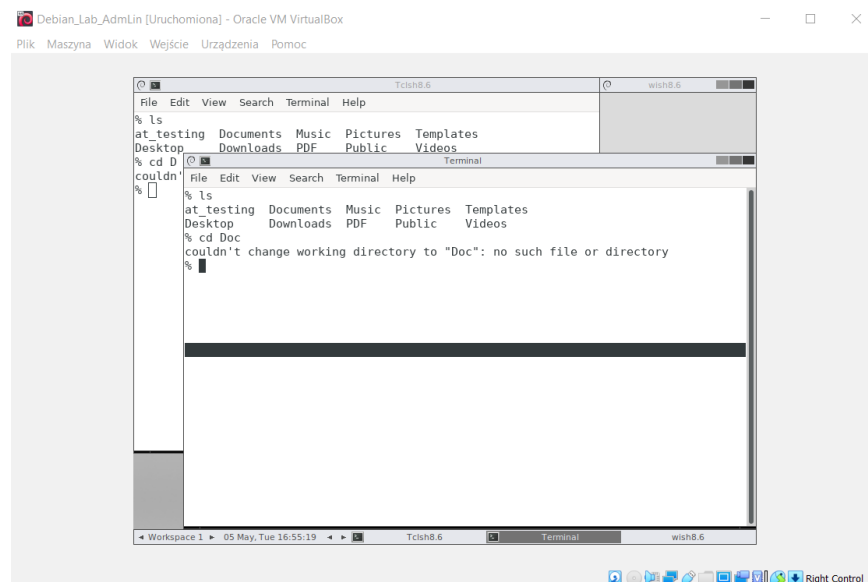
c) jest prawdopodobnie 29 stylów interfejsu, większość z nich jest bardzo podobna do siebie, jedynie z małymi różnicami.

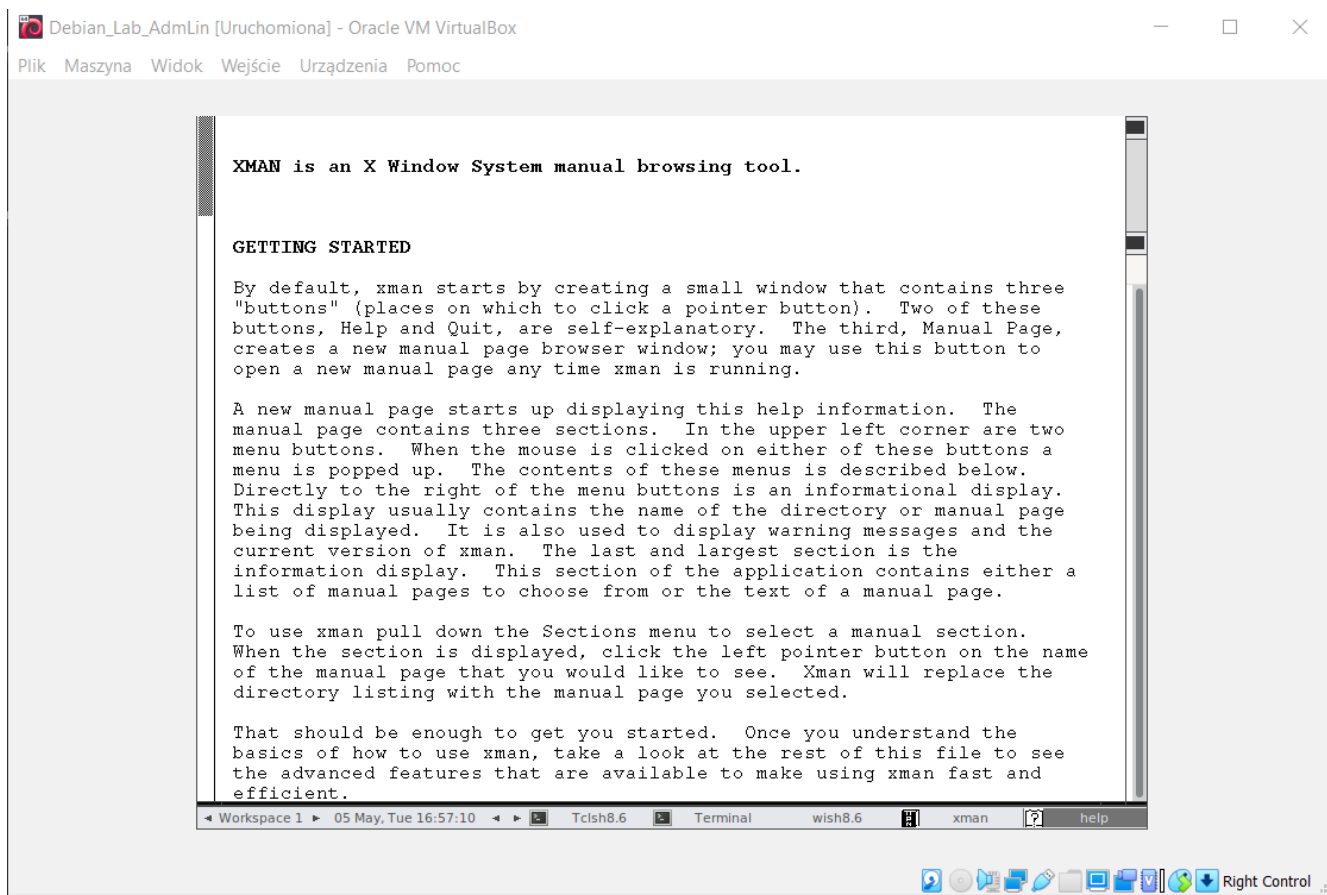


d) zauważyłem dwa programy "programistyczne", ale obie uruchamiają terminal.



2. W terminalu brakuje mi funkcji auto uzupełniania za pomocą tabulatora, co przeszkadza w wygodnym zarządzaniu





3. Po ponownym uruchomieniu wirtualnej maszyny, a także po zalogowaniu, włączył się sotatnio używany interfejs, czyli Fluxbox. By powrócić do poprzedniego trzeba było przed zalogowaniem zmienić na GNOME.