



Instrukcja instalacji oprogramowania dla środowiska **Linux**

Kurs **Python** od podstaw

Przygotuj się jeszcze **przed** zajęciami! 😊



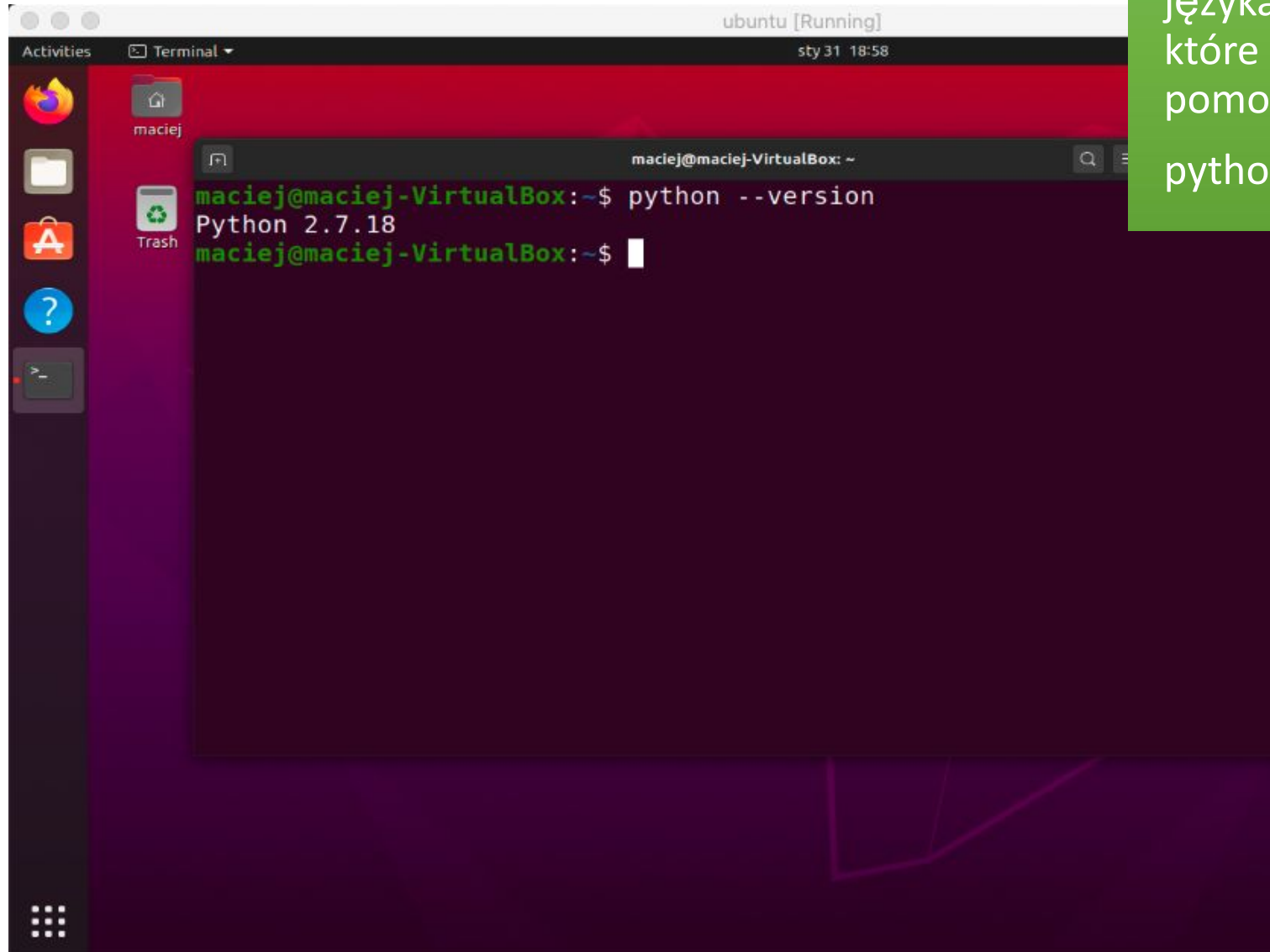
Python



Python

Jeśli używasz dystrybucji Ubuntu, powinna ona posiadać wersję 2 oraz 3 języka Python. Możesz sprawdzić, które wersje języka są dostępne za pomocą polecenia

```
python --version
```

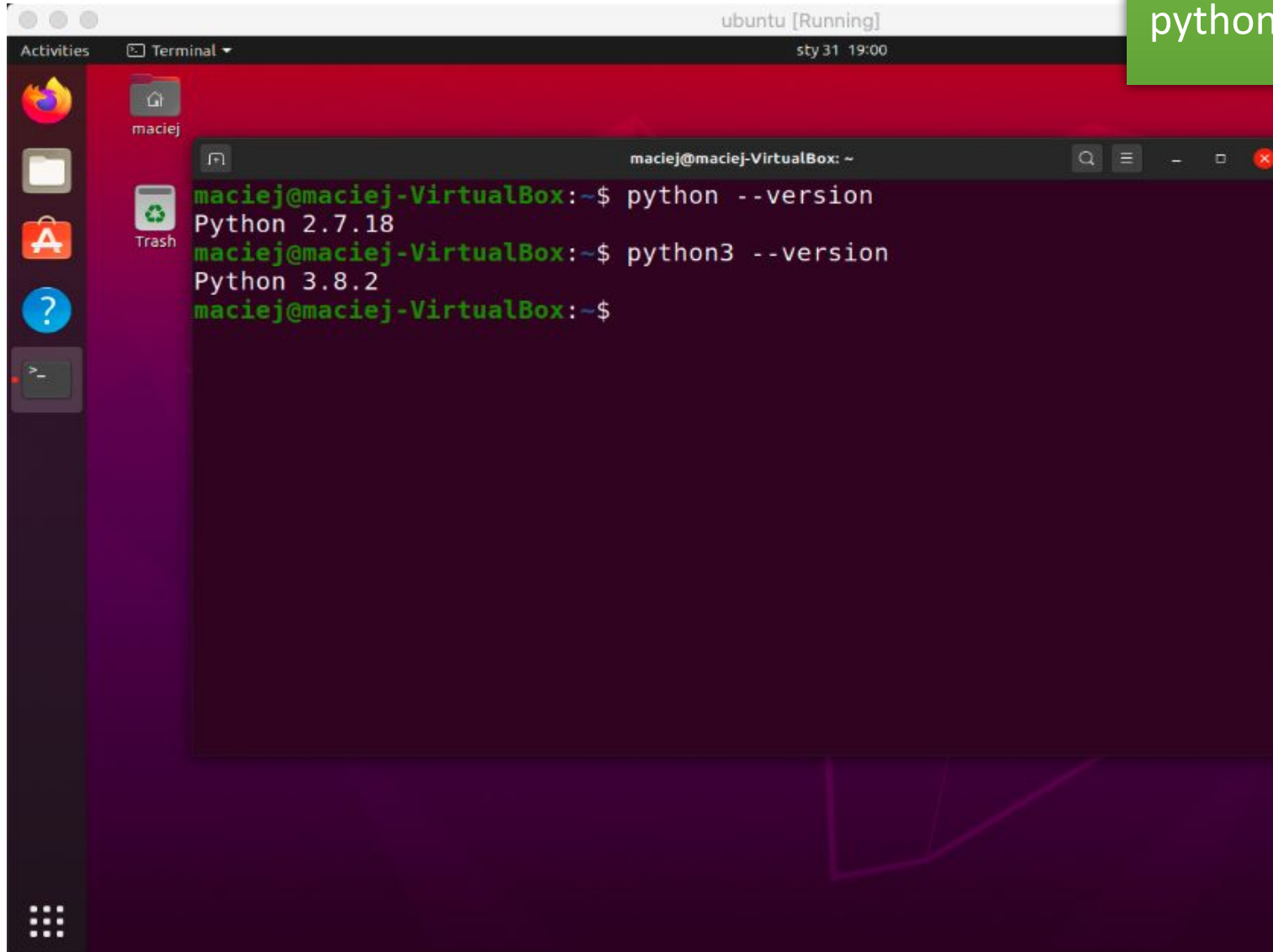


The screenshot shows a terminal window titled 'maciej@maciej-VirtualBox: ~'. The command 'python --version' has been entered and executed, resulting in the output 'Python 2.7.18'. The terminal window is part of a desktop environment with a sidebar containing icons for Activities, Terminal, maciej, and Trash. The top of the window shows 'ubuntu [Running]' and the date 'sty 31 18:58'.

```
maciej@maciej-VirtualBox: ~  
maciej@maciej-VirtualBox:~$ python --version  
Python 2.7.18  
maciej@maciej-VirtualBox:~$
```

Python

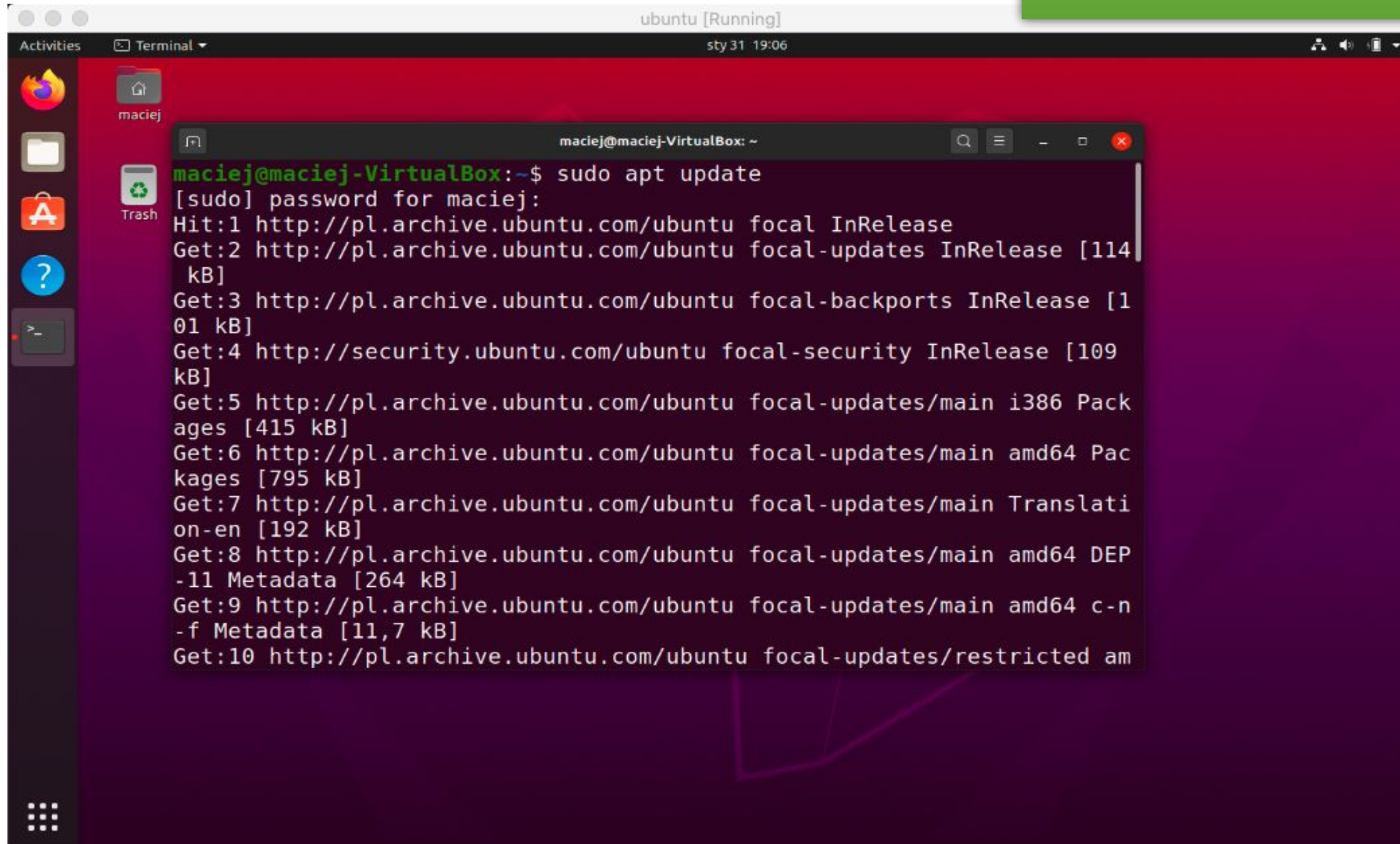
Aby sprawdzić dostępność wersji 3
języka Python wpisz polecenie:
`python3 --version`



The screenshot shows a terminal window titled 'maciej@maciej-VirtualBox: ~' with the following output:

```
maciej@maciej-VirtualBox:~$ python --version
Python 2.7.18
maciej@maciej-VirtualBox:~$ python3 --version
Python 3.8.2
maciej@maciej-VirtualBox:~$
```

Zaktualizuj pakiety wykonując polecenie
`sudo apt update`.

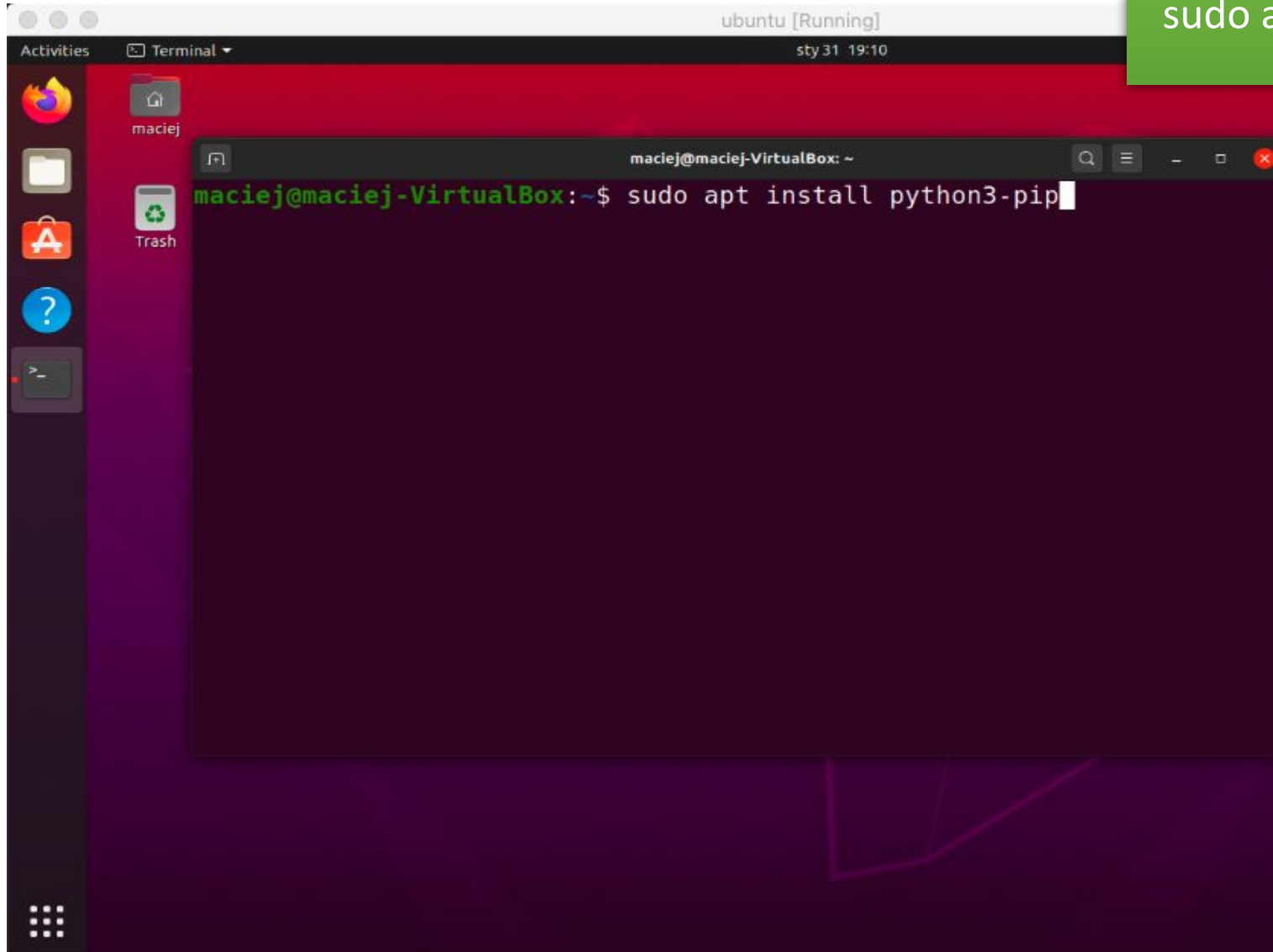


The screenshot shows a terminal window titled 'maciej@maciej-VirtualBox: ~' with the command `sudo apt update` and its output. The output lists various Ubuntu repositories and the packages being updated, including focal, focal-updates, focal-backports, focal-security, and focal-updates/main for i386, amd64, and Translation-en. The terminal window is part of a desktop environment with a sidebar containing icons for Activities, maciej, and Trash. The top bar shows 'ubuntu [Running]' and the time 'sty 31 19:06'.

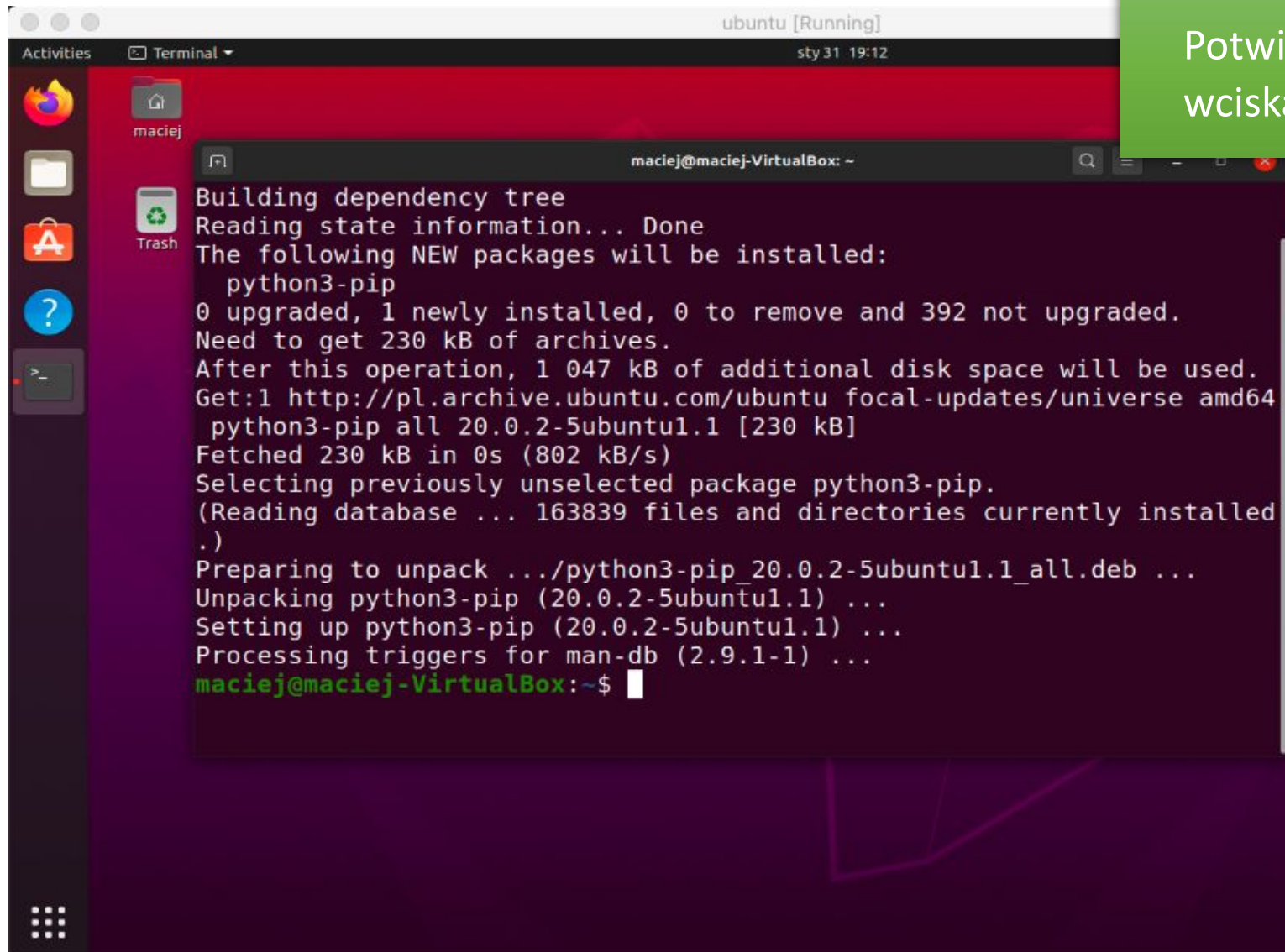
```
maciej@maciej-VirtualBox: ~$ sudo apt update
[sudo] password for maciej:
Hit:1 http://pl.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://pl.archive.ubuntu.com/ubuntu focal-updates InRelease [114
kB]
Get:3 http://pl.archive.ubuntu.com/ubuntu focal-backports InRelease [1
01 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [109
kB]
Get:5 http://pl.archive.ubuntu.com/ubuntu focal-updates/main i386 Pack
ages [415 kB]
Get:6 http://pl.archive.ubuntu.com/ubuntu focal-updates/main amd64 Pac
kages [795 kB]
Get:7 http://pl.archive.ubuntu.com/ubuntu focal-updates/main Translati
on-en [192 kB]
Get:8 http://pl.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP
-11 Metadata [264 kB]
Get:9 http://pl.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n
-f Metadata [11,7 kB]
Get:10 http://pl.archive.ubuntu.com/ubuntu focal-updates/restricted am
```

Python

Zainstaluj menedżera pakietów dla
języka Python za pomocą polecenia
`sudo apt install python3-pip`



Potwierdź chęć instalacji wpisując Y i wciskając klawisz Enter.

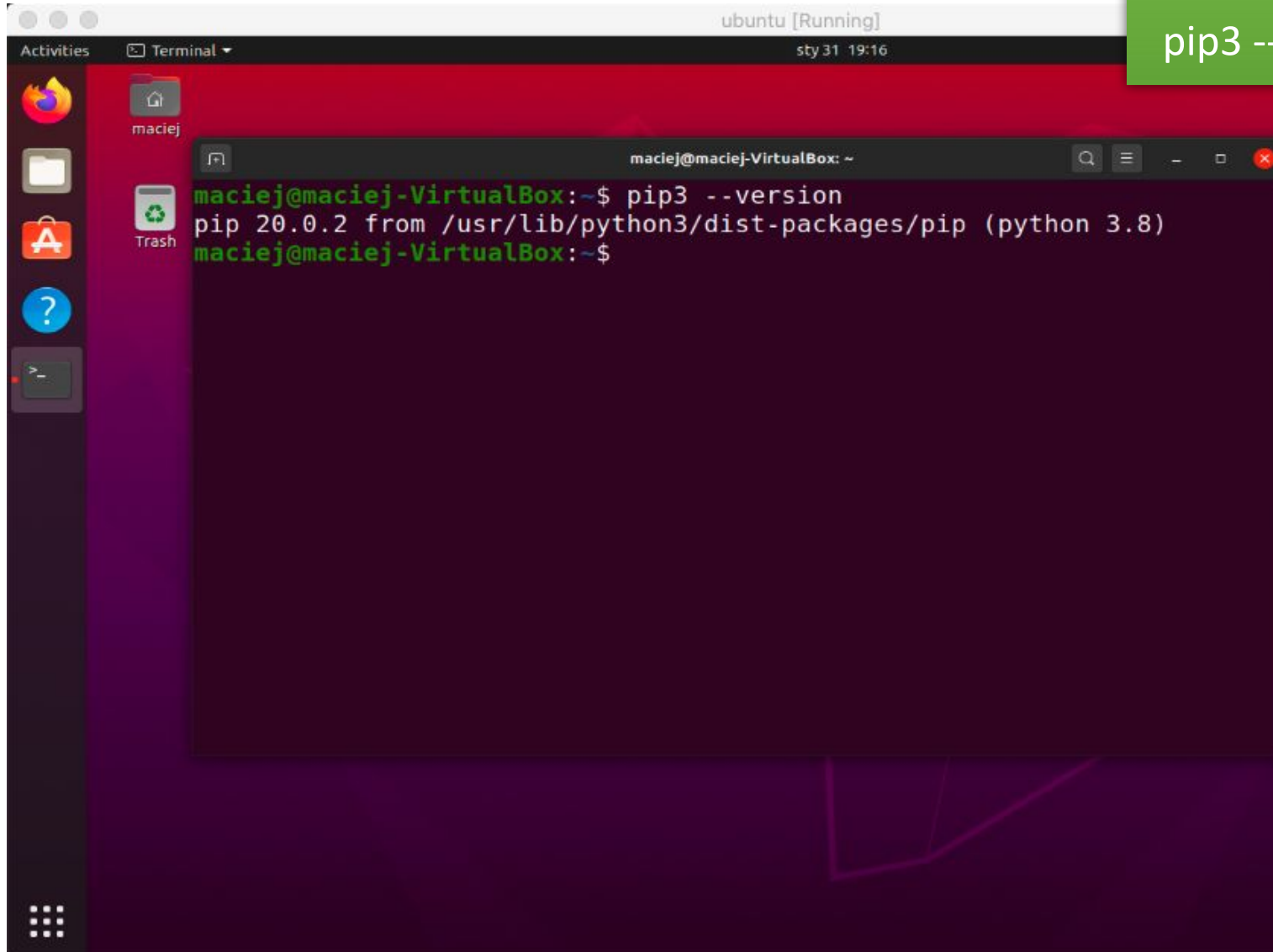


```
ubuntu [Running]
sty 31 19:12

maciej@maciej-VirtualBox: ~
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  python3-pip
0 upgraded, 1 newly installed, 0 to remove and 392 not upgraded.
Need to get 230 kB of archives.
After this operation, 1 047 kB of additional disk space will be used.
Get:1 http://pl.archive.ubuntu.com/ubuntu focal-updates/universe amd64
  python3-pip all 20.0.2-5ubuntu1.1 [230 kB]
Fetched 230 kB in 0s (802 kB/s)
Selecting previously unselected package python3-pip.
(Reading database ... 163839 files and directories currently installed
.)
Preparing to unpack .../python3-pip_20.0.2-5ubuntu1.1_all.deb ...
Unpacking python3-pip (20.0.2-5ubuntu1.1) ...
Setting up python3-pip (20.0.2-5ubuntu1.1) ...
Processing triggers for man-db (2.9.1-1) ...
maciej@maciej-VirtualBox:~$
```

Python

Poprawność instalacji możesz
sprawdzić poleceniem
`pip3 --version`



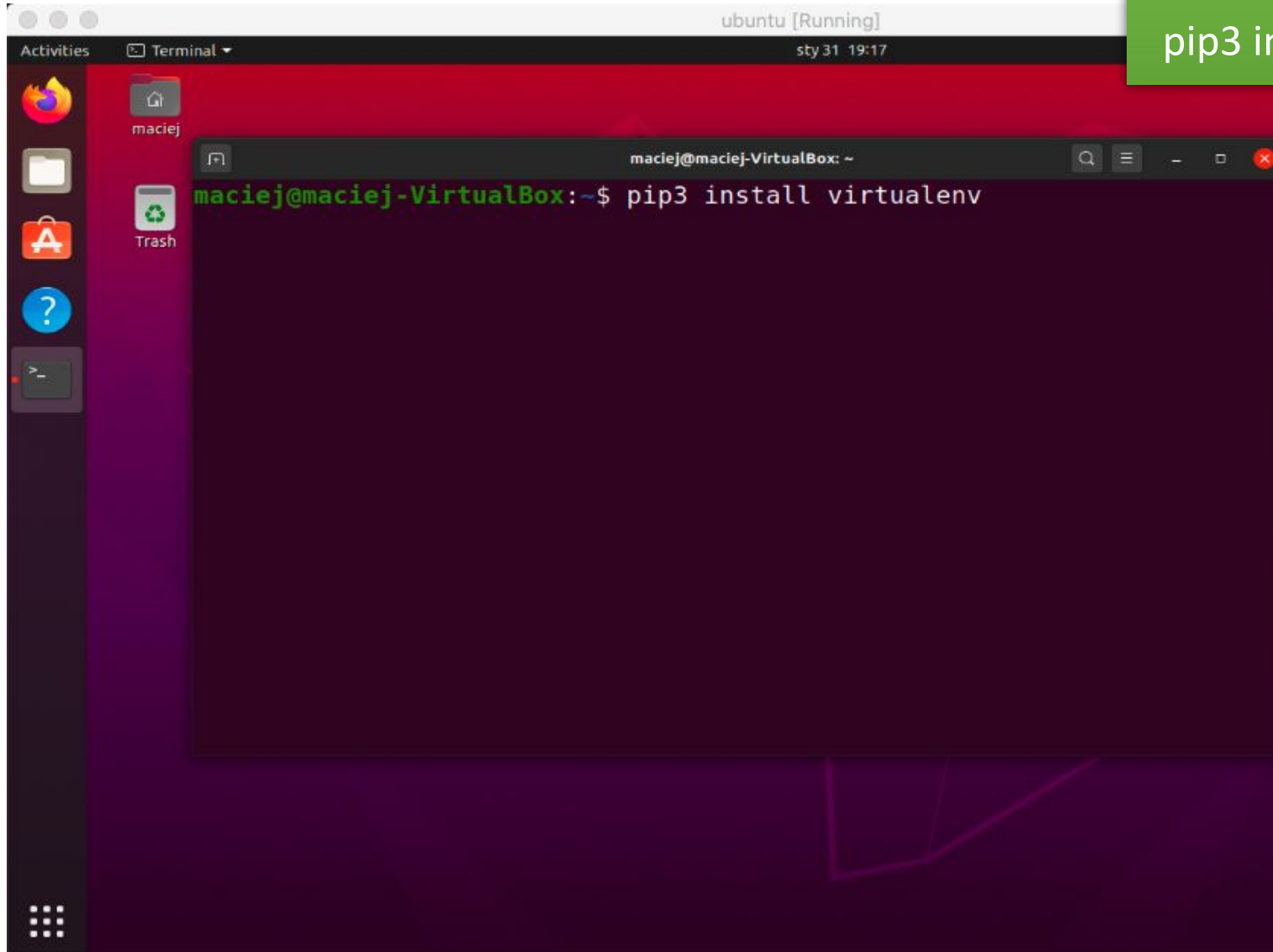
The screenshot shows a terminal window titled 'maciej@maciej-VirtualBox: ~' with the following text:

```
maciej@maciej-VirtualBox:~$ pip3 --version
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
maciej@maciej-VirtualBox:~$
```

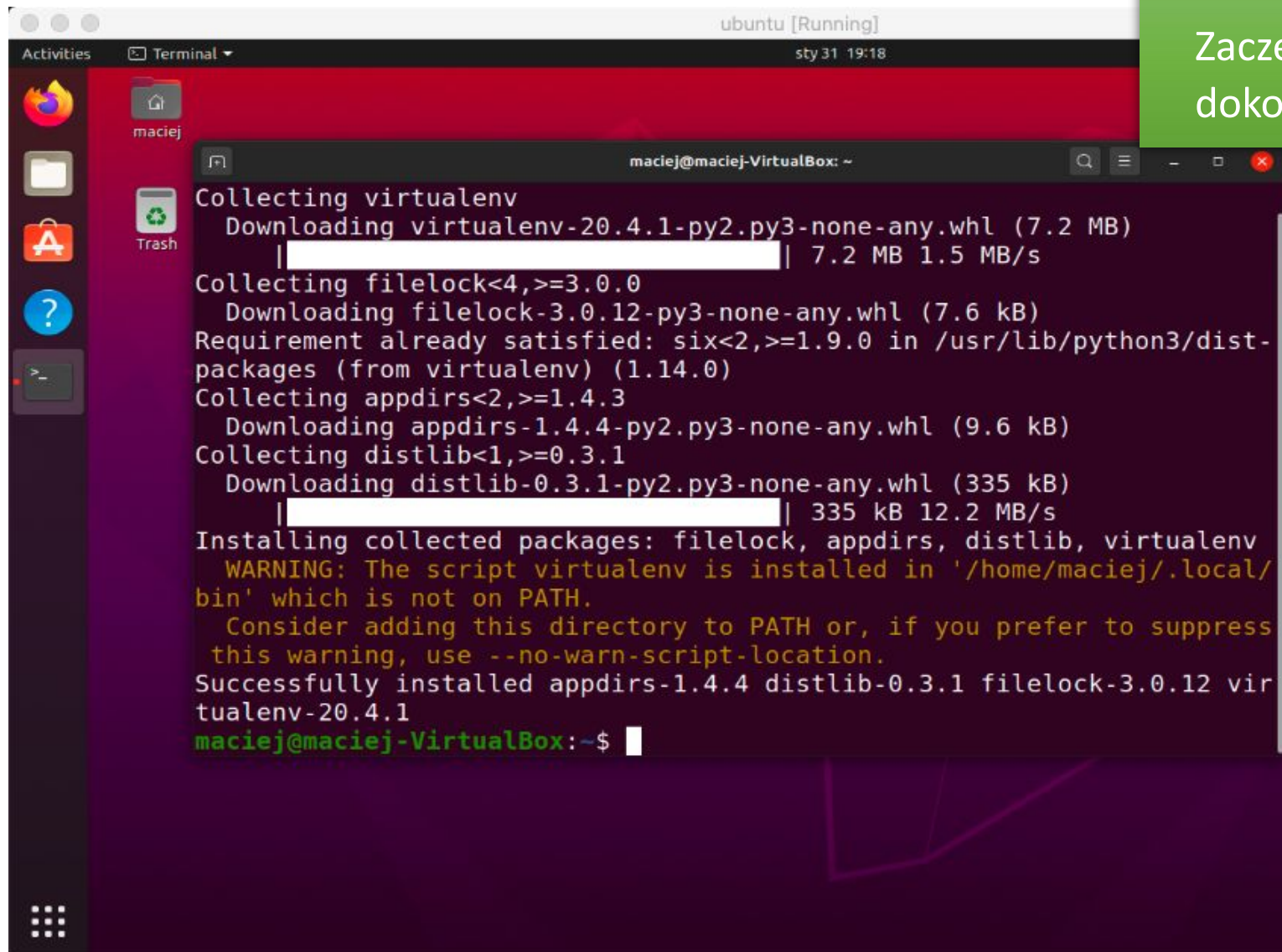
The terminal window is part of a desktop environment with a sidebar containing icons for Activities, maciej, and Trash. The top bar shows 'ubuntu [Running]' and the time 'sty 31 19:16'.

Python

Zainstaluj virtualenv wpisując w linii komend polecenie
`pip3 install virtualenv`



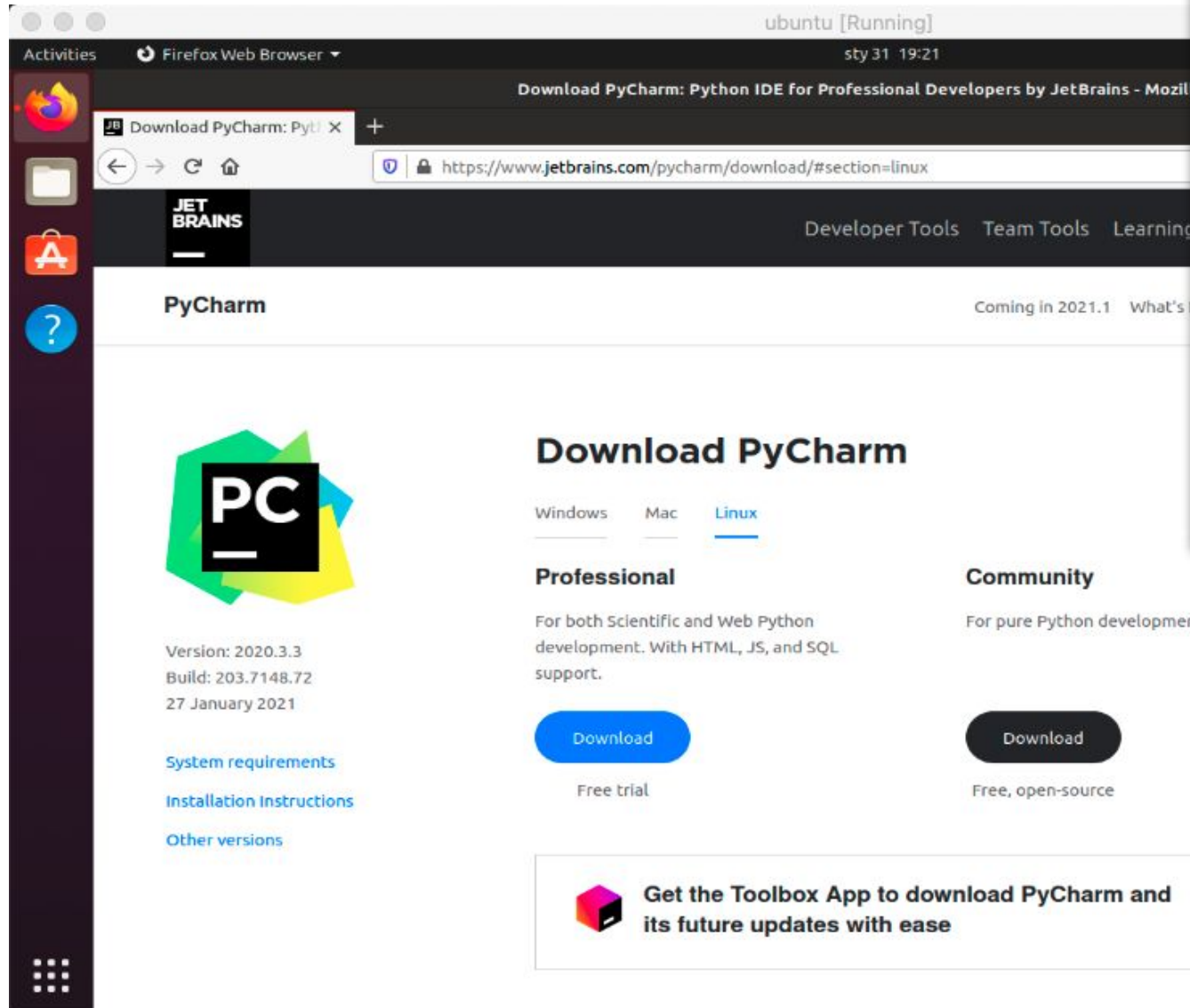
Zaczekaj chwilę na
dokończenie instalacji.



```
maciej@maciej-VirtualBox: ~  
Collecting virtualenv  
  Downloading virtualenv-20.4.1-py2.py3-none-any.whl (7.2 MB)  
    |████████████████████████████████████████| 7.2 MB 1.5 MB/s  
Collecting filelock<4,>=3.0.0  
  Downloading filelock-3.0.12-py3-none-any.whl (7.6 kB)  
Requirement already satisfied: six<2,>=1.9.0 in /usr/lib/python3/dist-packages (from virtualenv) (1.14.0)  
Collecting appdirs<2,>=1.4.3  
  Downloading appdirs-1.4.4-py2.py3-none-any.whl (9.6 kB)  
Collecting distlib<1,>=0.3.1  
  Downloading distlib-0.3.1-py2.py3-none-any.whl (335 kB)  
    |████████████████████████████████████████| 335 kB 12.2 MB/s  
Installing collected packages: filelock, appdirs, distlib, virtualenv  
  WARNING: The script virtualenv is installed in '/home/maciej/.local/bin' which is not on PATH.  
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.  
Successfully installed appdirs-1.4.4 distlib-0.3.1 filelock-3.0.12 virtualenv-20.4.1  
maciej@maciej-VirtualBox:~$
```

PyCharm

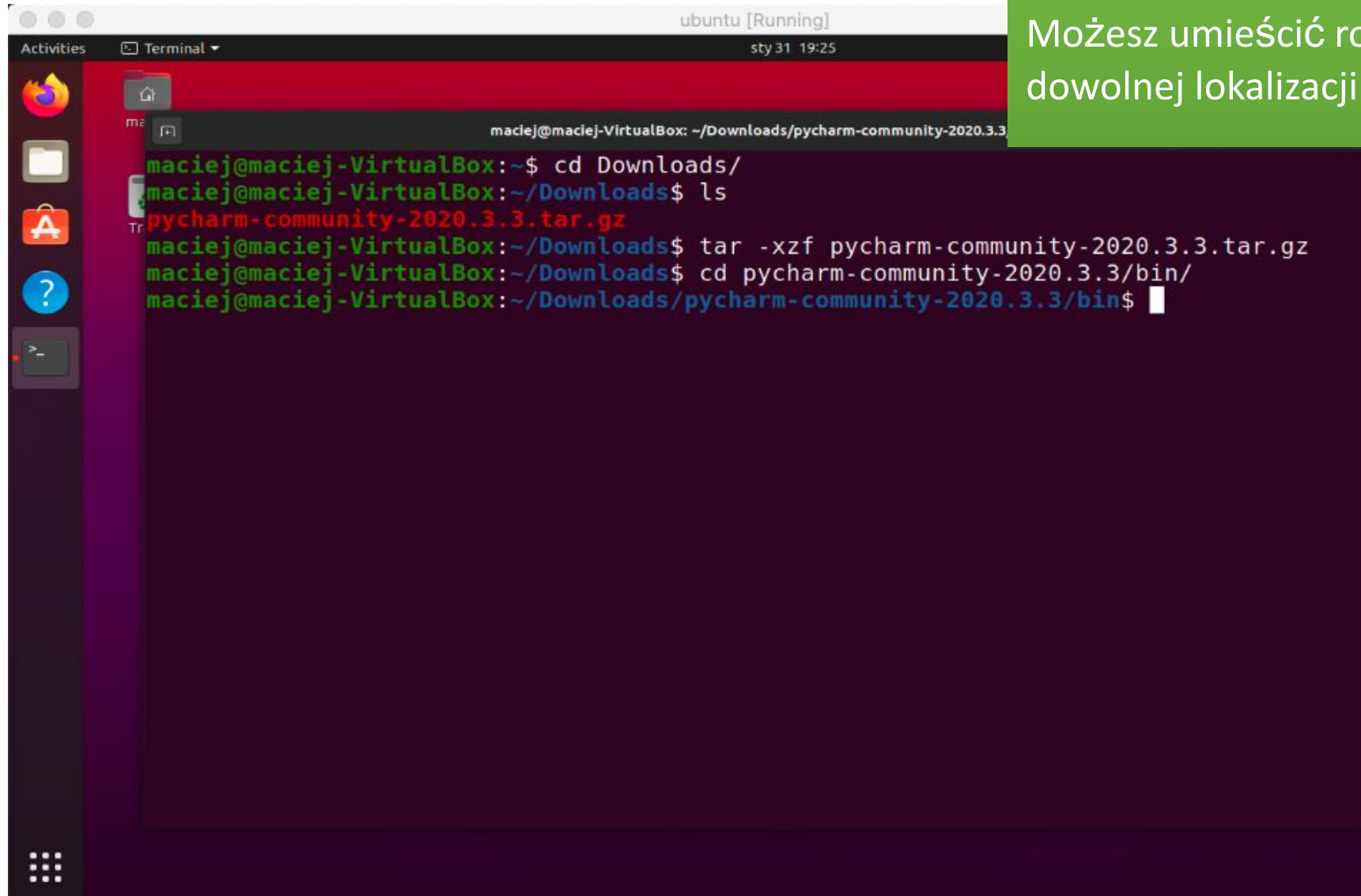




1. Uruchom przeglądarkę internetową.
2. Przejdź na stronę www.jetbrains.com/pycharm i kliknij przycisk Download.
3. Na kolejnym ekranie ponownie kliknij przycisk *Download* przy wybranej wersji (*wersja Community jest wystarczająca do nauki języka Python*).
4. Pobieranie pliku powinno rozpocząć się automatycznie.

Przejdź do katalogu, w którym znajduje się pobrany plik i rozpakuj go.

Możesz umieścić rozpakowany program w dowolnej lokalizacji.

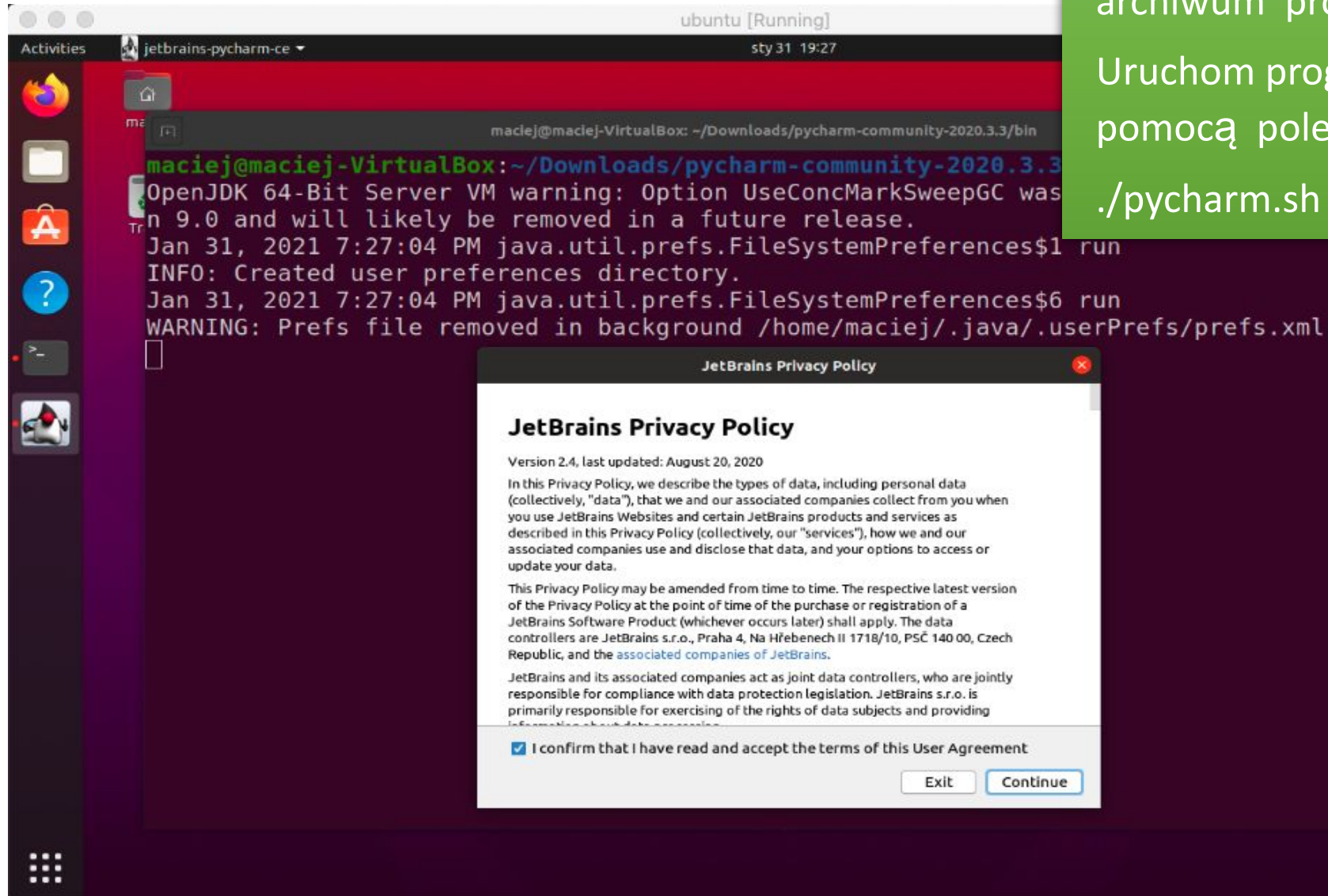


```
maciej@maciej-VirtualBox: ~$ cd Downloads/  
maciej@maciej-VirtualBox: ~/Downloads$ ls  
pycharm-community-2020.3.3.tar.gz  
maciej@maciej-VirtualBox: ~/Downloads$ tar -xzf pycharm-community-2020.3.3.tar.gz  
maciej@maciej-VirtualBox: ~/Downloads$ cd pycharm-community-2020.3.3/bin/  
maciej@maciej-VirtualBox: ~/Downloads/pycharm-community-2020.3.3/bin$
```


Przejdź do podkatalogu bin w katalogu, do którego rozpakowałeś archiwum programu.

Uruchom program PyCharm za pomocą polecenia:

`./pycharm.sh` i wciśnij *Continue*



```
ubuntu [Running] sty 31 19:27
jetbrains-pycharm-ce
maciej@maciej-VirtualBox: ~/Downloads/pycharm-community-2020.3.3/bin
maciej@maciej-VirtualBox:~/Downloads/pycharm-community-2020.3.3$ ./pycharm.sh
OpenJDK 64-Bit Server VM warning: Option UseConcMarkSweepGC was deprecated in version 9.0 and will likely be removed in a future release.
Jan 31, 2021 7:27:04 PM java.util.prefs.FileSystemPreferences$1 run
INFO: Created user preferences directory.
Jan 31, 2021 7:27:04 PM java.util.prefs.FileSystemPreferences$6 run
WARNING: Prefs file removed in background /home/maciej/.java/.userPrefs/prefs.xml
[ ]
```

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Version 2.4, last updated: August 20, 2020

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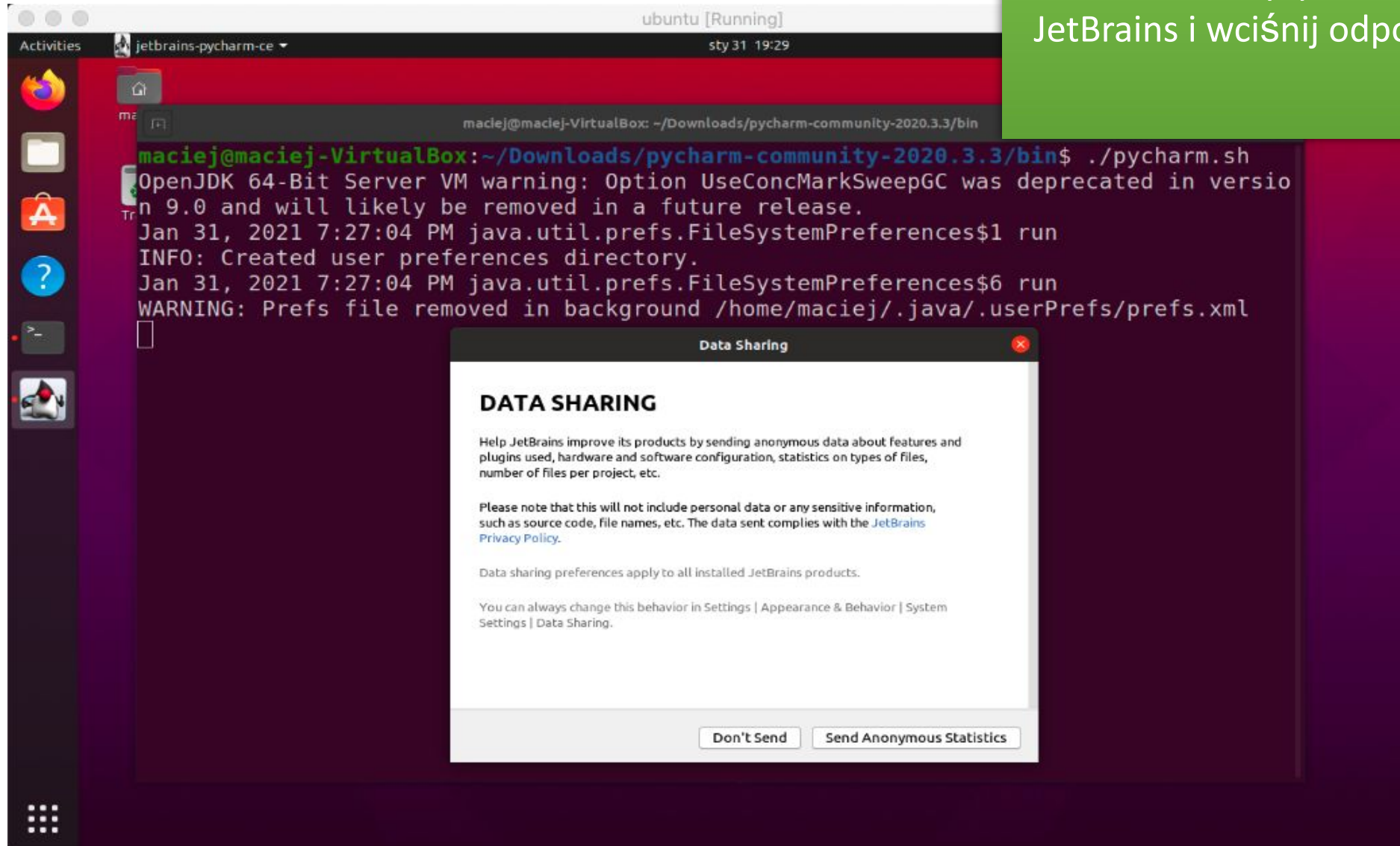
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Exit Continue

Zdecyduj, czy wyrażasz zgodę na anonimowe wysyłanie danych do firmy JetBrains i wciśnij odpowiedni przycisk.



Gratulacje! Twoje nowe IDE zostało przygotowane do pracy! Możesz teraz utworzyć nowy projekt lub otworzyć istniejący.

