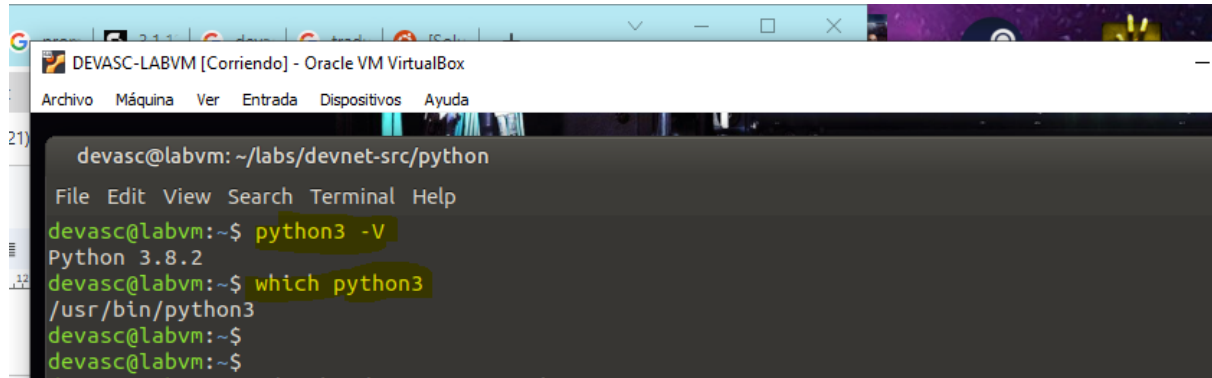


LABORATORIO 2_b (Poma Martinez Jhonatan)

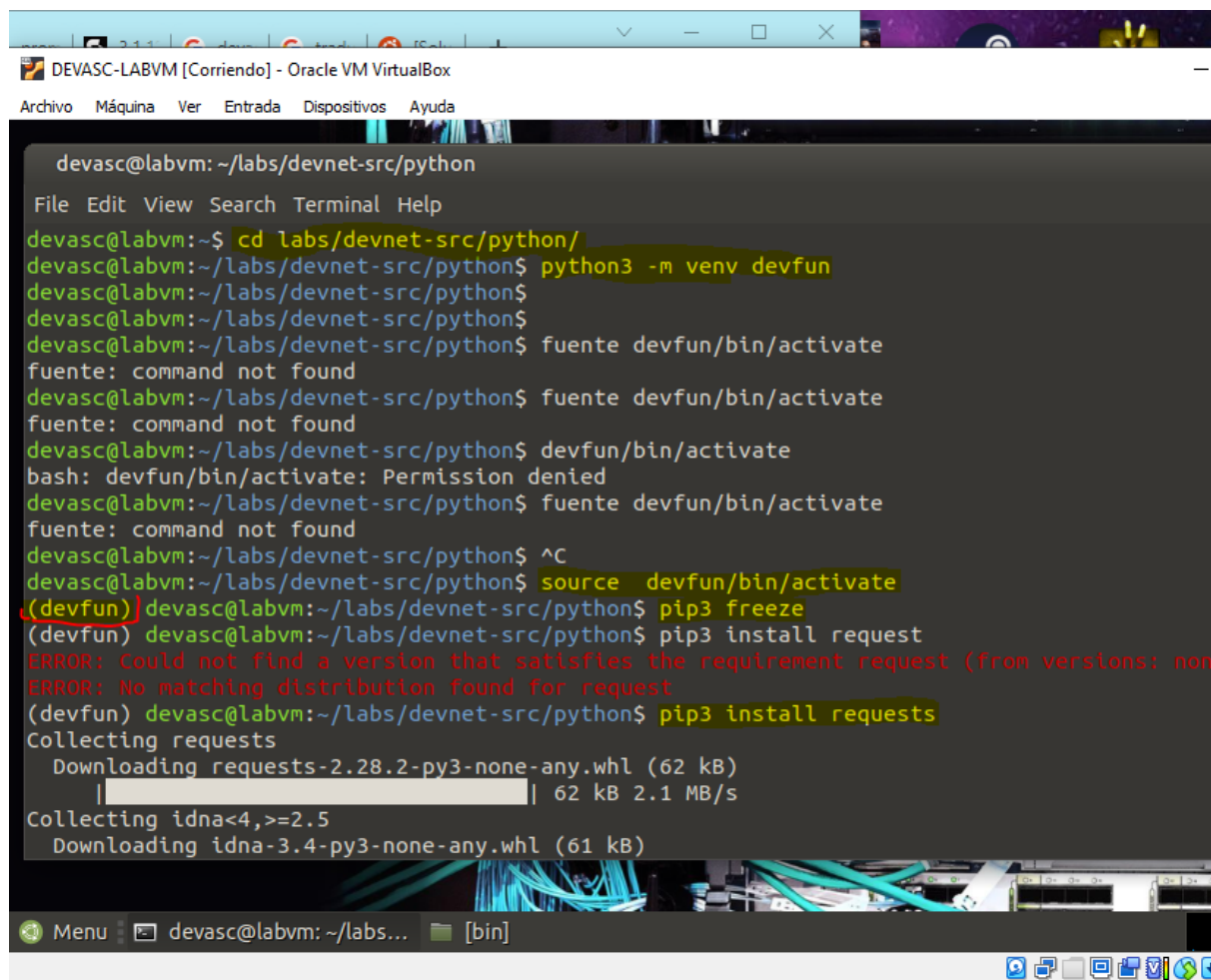
PARTE 1:Ejecutar Máquina Virtual DEVASC

PARTE 2: Revisión de la instalación de Python



```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
devasc@labvm:~$ python3 -V
Python 3.8.2
devasc@labvm:~$ which python3
/usr/bin/python3
devasc@labvm:~$
```

PARTE 3 : Entornos virtuales PIP y Python



```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
devasc@labvm:~$ cd labs/devnet-src/python/
devasc@labvm:~/labs/devnet-src/python$ python3 -m venv devfun
devasc@labvm:~/labs/devnet-src/python$
devasc@labvm:~/labs/devnet-src/python$ fuente devfun/bin/activate
fuente: command not found
devasc@labvm:~/labs/devnet-src/python$ fuente devfun/bin/activate
fuente: command not found
devasc@labvm:~/labs/devnet-src/python$ devfun/bin/activate
bash: devfun/bin/activate: Permission denied
devasc@labvm:~/labs/devnet-src/python$ fuente devfun/bin/activate
fuente: command not found
devasc@labvm:~/labs/devnet-src/python$ ^C
devasc@labvm:~/labs/devnet-src/python$ source devfun/bin/activate
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 install request
ERROR: Could not find a version that satisfies the requirement request (from versions: non
ERROR: No matching distribution found for request
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 install requests
Collecting requests
  Downloading requests-2.28.2-py3-none-any.whl (62 kB)
    | 62 kB 2.1 MB/s
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
```

```
DEVASC-LABVM [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
sions: none)
ERROR: No matching distribution found for request
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 install requests
Collecting requests
  Downloading requests-2.28.2-py3-none-any.whl (62 kB)
    | 62 kB 2.1 MB/s
Collecting idna<4,>=2.5
  Downloading idna-3.4-py3-none-any.whl (61 kB)
    | 61 kB 257 kB/s
Collecting certifi>=2017.4.17
  Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
    | 155 kB 3.8 MB/s
Collecting urllib3<1.27,>=1.21.1
  Downloading urllib3-1.26.15-py2.py3-none-any.whl (140 kB)
    | 140 kB 3.4 MB/s
Collecting charset-normalizer<4,>=2
  Downloading charset-normalizer-3.1.0-cp38-cp38-manylinux_2_17_x86_64.manylinux
2014_x86_64.whl (195 kB)
    | 195 kB 5.3 MB/s
Installing collected packages: idna, certifi, urllib3, charset-normalizer, requ
sts
Successfully installed certifi-2022.12.7 charset-normalizer-3.1.0 idna-3.4 requ
sts-2.28.2 urllib3-1.26.15
(devfun) devasc@labvm:~/labs/devnet-src/python$

Menu  devasc@labvm: ~/labs... [bin] CTRL DERECHA
```

```
DEVASC-LABVM [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
    | 195 kB 5.3 MB/s
Installing collected packages: idna, certifi, urllib3, charset-normalizer, requ
sts
Successfully installed certifi-2022.12.7 charset-normalizer-3.1.0 idna-3.4 requ
sts-2.28.2 urllib3-1.26.15
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze
certifi==2022.12.7
charset-normalizer==3.1.0
idna==3.4
requests==2.28.2
urllib3==1.26.15
(devfun) devasc@labvm:~/labs/devnet-src/python$ deactivate
deactivate: command not found
(devfun) devasc@labvm:~/labs/devnet-src/python$ deactivate
devasc@labvm:~/labs/devnet-src/python$ python3 -m pip freeze
aiohttp==3.6.2
ansible==2.9.9
apache-libcloud==2.8.0
appdirs==1.4.3
apturl==0.5.2
argcomplete==1.8.0
arrow==0.15.6
astroid==2.3.3
async-timeout==3.0.10
devasc@labvm: ~/labs/devnet-src/python

Menu  devasc@labvm: ~/labs... [bin] CTRL DERECHA
```

DEVASC-LABVM [Corriendo] - Oracle VM VirtualBox

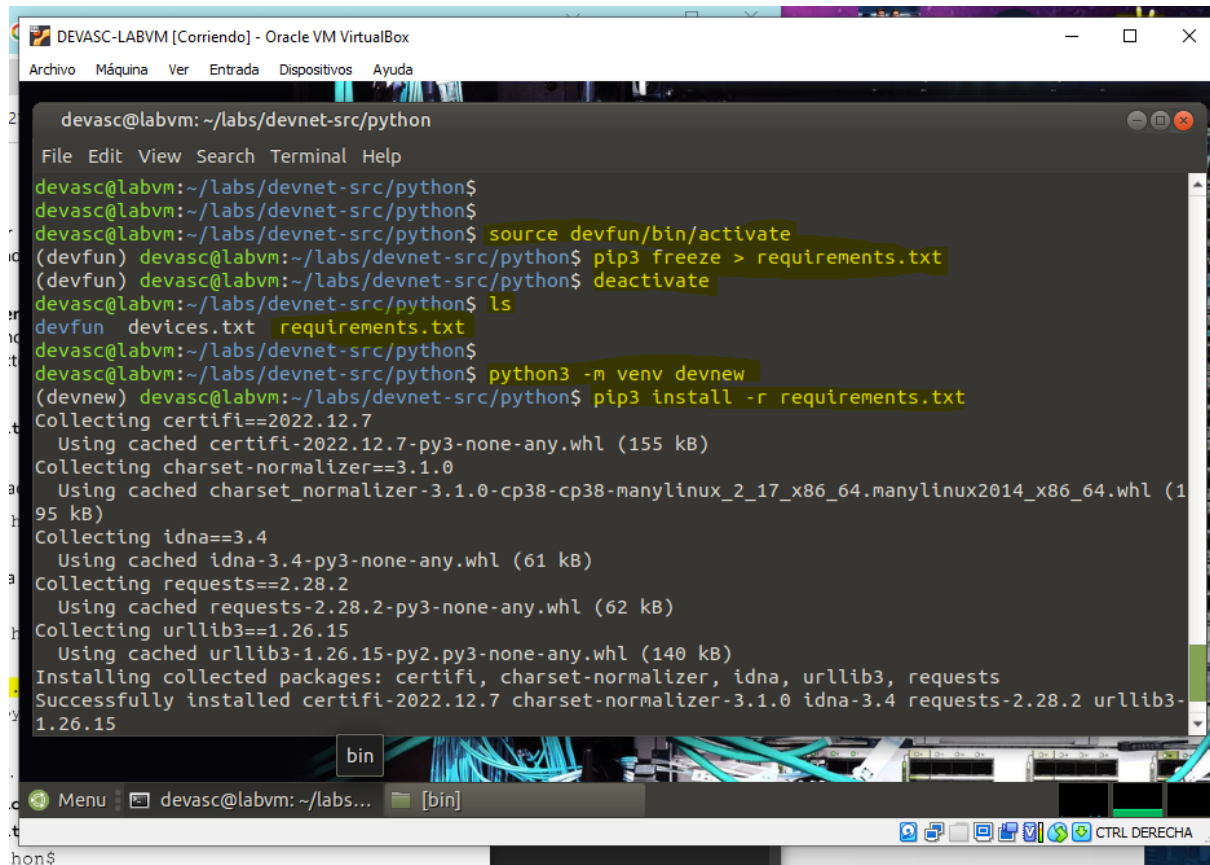
Archivo Máquina Ver Entrada Dispositivos Ayuda

```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
unicon.plugins==20.5
urllib3==1.25.8
virtualenv==20.0.17
virtualenv-clone==0.3.0
wadllib==1.3.3
webexteamssdk==1.3
websocket-client==0.57.0
Werkzeug==1.0.1
wrapt==1.11.2
xkit==0.0.0
xlrd==1.2.0
XlsxWriter==1.2.9
xlwt==1.3.0
xmldict==0.12.0
yamllint==1.23.0
yarl==1.4.2
zipp==1.0.0
devasc@labvm:~/labs/devnet-src/python$ python3 -m pip freeze | grep requests
requests==2.22.0
requests-kkerberos==0.12.0
requests-ntlm==1.1.0
requests-toolbelt==0.9.1
requests-unixsocket==0.2.0
devasc@labvm:~/labs/devnet-src/python$
```

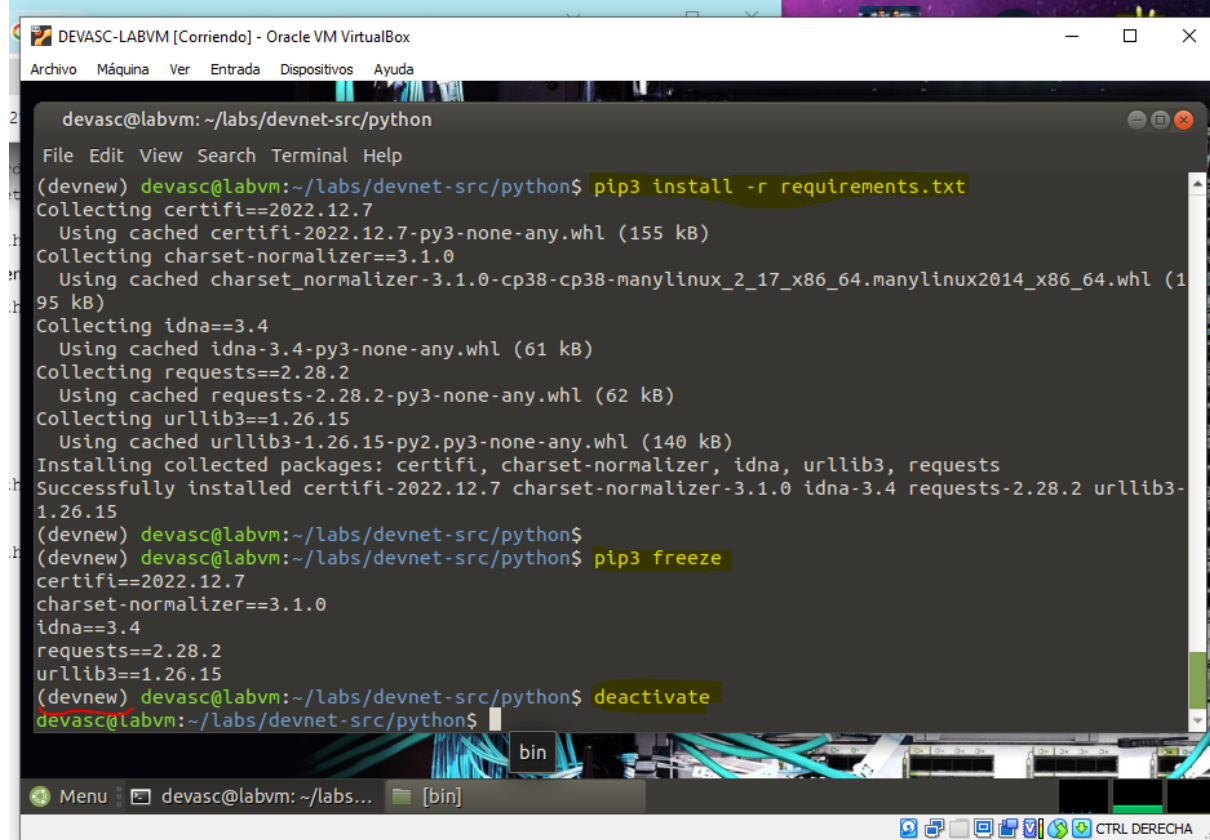
Menu devasc@labvm: ~/labs... [bin]

CTRL DERECH

PARTE 4:Compartir su entorno virtual



```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
devasc@labvm:~/labs/devnet-src/python$
devasc@labvm:~/labs/devnet-src/python$
devasc@labvm:~/labs/devnet-src/python$ source devfun/bin/activate
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze > requirements.txt
(devfun) devasc@labvm:~/labs/devnet-src/python$ deactivate
devasc@labvm:~/labs/devnet-src/python$ ls
devfun  devices.txt  requirements.txt
devasc@labvm:~/labs/devnet-src/python$
devasc@labvm:~/labs/devnet-src/python$ python3 -m venv devnew
(devnew) devasc@labvm:~/labs/devnet-src/python$ pip3 install -r requirements.txt
Collecting certifi==2022.12.7
  Using cached certifi-2022.12.7-py3-none-any.whl (155 kB)
Collecting charset-normalizer==3.1.0
  Using cached charset_normalizer-3.1.0-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (1
95 kB)
Collecting idna==3.4
  Using cached idna-3.4-py3-none-any.whl (61 kB)
Collecting requests==2.28.2
  Using cached requests-2.28.2-py3-none-any.whl (62 kB)
Collecting urllib3==1.26.15
  Using cached urllib3-1.26.15-py2.py3-none-any.whl (140 kB)
Installing collected packages: certifi, charset-normalizer, idna, urllib3, requests
Successfully installed certifi-2022.12.7 charset-normalizer-3.1.0 idna-3.4 requests-2.28.2 urllib3-
1.26.15
bin
```



```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
(devnew) devasc@labvm:~/labs/devnet-src/python$ pip3 install -r requirements.txt
Collecting certifi==2022.12.7
  Using cached certifi-2022.12.7-py3-none-any.whl (155 kB)
Collecting charset-normalizer==3.1.0
  Using cached charset_normalizer-3.1.0-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (1
95 kB)
Collecting idna==3.4
  Using cached idna-3.4-py3-none-any.whl (61 kB)
Collecting requests==2.28.2
  Using cached requests-2.28.2-py3-none-any.whl (62 kB)
Collecting urllib3==1.26.15
  Using cached urllib3-1.26.15-py2.py3-none-any.whl (140 kB)
Installing collected packages: certifi, charset-normalizer, idna, urllib3, requests
Successfully installed certifi-2022.12.7 charset-normalizer-3.1.0 idna-3.4 requests-2.28.2 urllib3-
1.26.15
(devnew) devasc@labvm:~/labs/devnet-src/python$
(devnew) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze
certifi==2022.12.7
charset-normalizer==3.1.0
idna==3.4
requests==2.28.2
urllib3==1.26.15
(devnew) devasc@labvm:~/labs/devnet-src/python$ deactivate
devasc@labvm:~/labs/devnet-src/python$
bin
```