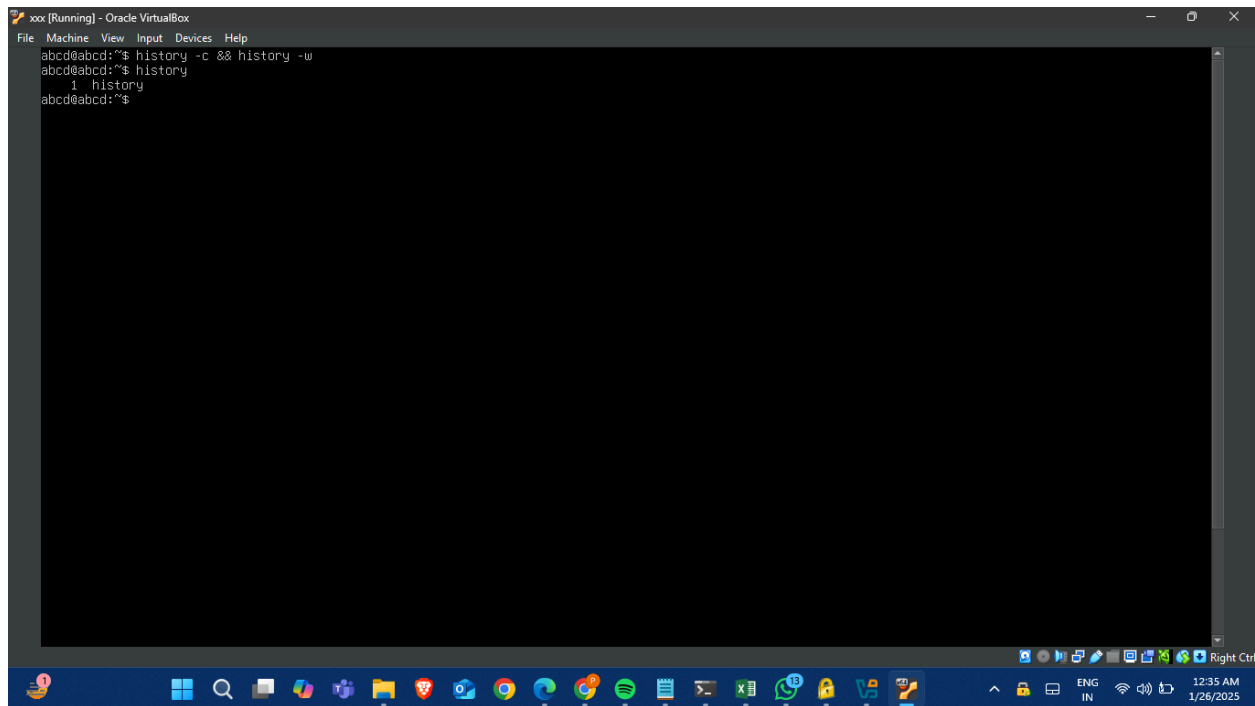


```
# Removing the history
history -c && history -w
history
```

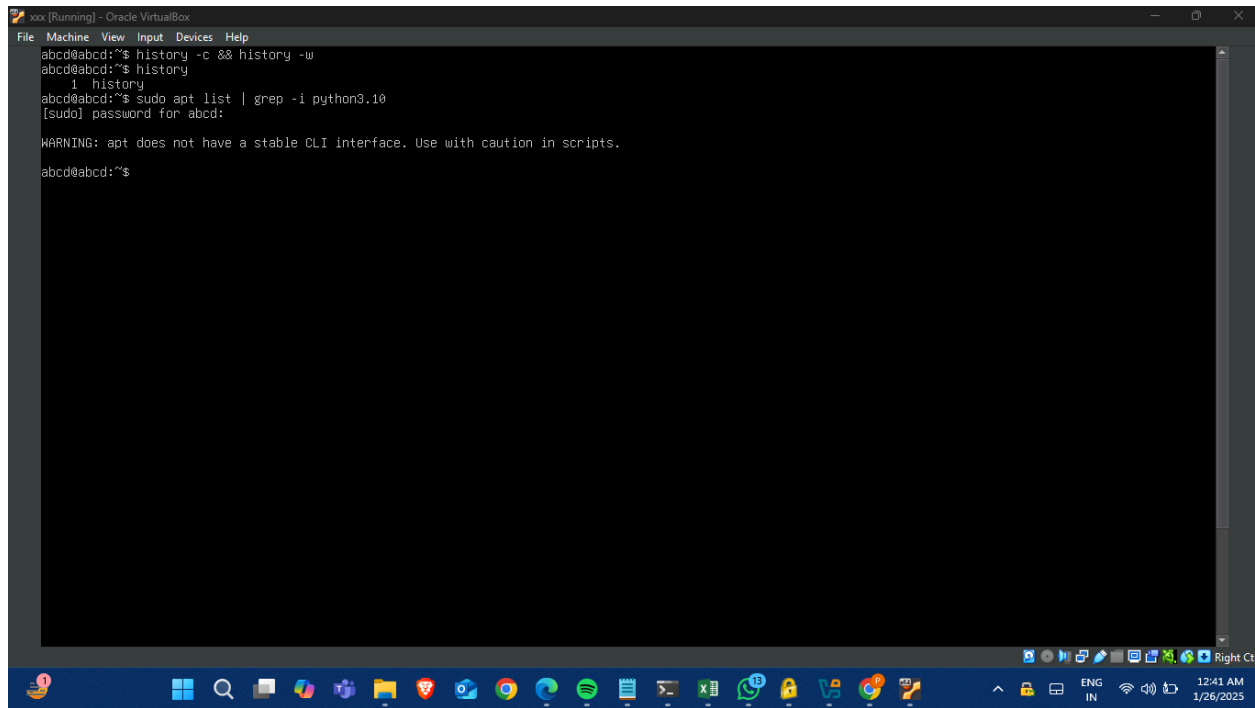


The screenshot shows a terminal window titled "xxx [Running] - Oracle VM VirtualBox". The terminal has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". The terminal output shows the following commands and results:

```
abcd@abcd:~$ history -c && history -w
abcd@abcd:~$ history
 1  history
abcd@abcd:~$
```

The terminal window is running on a Windows host, as evidenced by the Windows taskbar at the bottom. The taskbar includes the Start button, a search bar, and several application icons. The system tray on the right shows the date and time as "12:35 AM 1/26/2025".

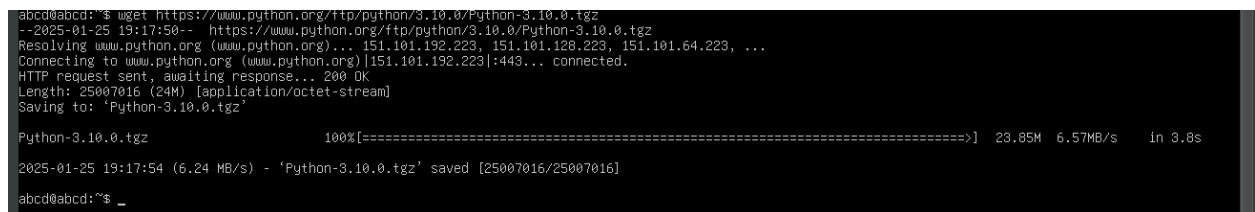
```
# Removing python3.10
sudo apt list | grep -i python3.10
```



# Downloading Python 3.10 from tarball

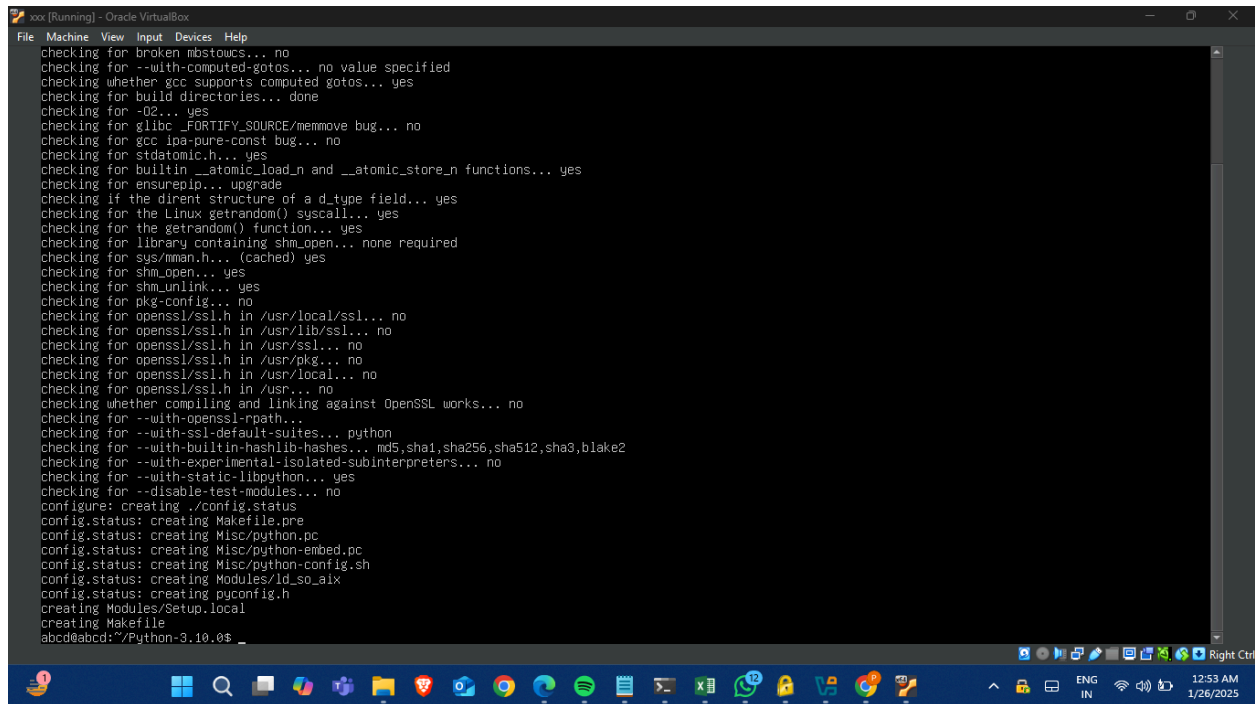
```
wget https://www.python.org/ftp/python/3.10.0/Python-3.10.0.tgz
```

```
tar -xvzf Python-3.10.0.tgz
```



# Configuring the installed tar file

```
/configure --enable-optimizations
```



```
File Machine View Input Devices Help
checking for broken mostowcs... no
checking for -with-computed-gotos... no value specified
checking whether gcc supports computed gotos... yes
checking for build directories... done
checking for -O2... yes
checking for glibc _FORTIFY_SOURCE/memmove bug... no
checking for gcc ipa-pure-const bug... no
checking for stdatomic.h... yes
checking for builtin __atomic_load_n and __atomic_store_n functions... yes
checking for ensurepip... upgrade
checking if the dirent structure of a d_type field... yes
checking for the Linux getrandom() syscall... yes
checking for the getrandom() function... yes
checking for library containing shm_open... none required
checking for sys/mman.h... (cached) yes
checking for shm_open... yes
checking for shm_unlink... yes
checking for pkg-config... no
checking for openssl/ssl.h in /usr/local/ssl... no
checking for openssl/ssl.h in /usr/lib/ssl... no
checking for openssl/ssl.h in /usr/ssl... no
checking for openssl/ssl.h in /usr/pkg... no
checking for openssl/ssl.h in /usr/local... no
checking for openssl/ssl.h in /usr... no
checking whether compiling and linking against OpenSSL works... no
checking for --with-openssl-path...
checking for --with-ssl-default-suites... python
checking for --with-built-in-hashlib-hashes... md5,sha1,sha256,sha512,sha3,blake2
checking for --with-experimental-isolated-subInterpreters... no
checking for --with-static-libpython... yes
checking for --disable-test-modules... no
configure: creating ./config.status
config.status: creating Makefile.pre
config.status: creating Misc/python.pc
config.status: creating Misc/python-embed.pc
config.status: creating Misc/python-config.sh
config.status: creating Modules/ld_so_aix
config.status: creating pyconfig.h
creating Modules/Setup.local
creating Makefile
abcd@abcd:~/Python-3.10.0$
```

# Making another folder for python3.10

```
mkdir -p $HOME/python3.10
```

```
abcd@abcd:~/Python-3.10.0$ mkdir -p $HOME/python3.10_
```

# Now configuring this new python3.10 folder

```
/configure --prefix=$HOME/python3.10 --enable-optimizations
```

```
abcd@abcd:~/Python-3.10.0$ ./configure --prefix=$HOME/python3.10 --enable-optimizations_
```

# Using make to build Python

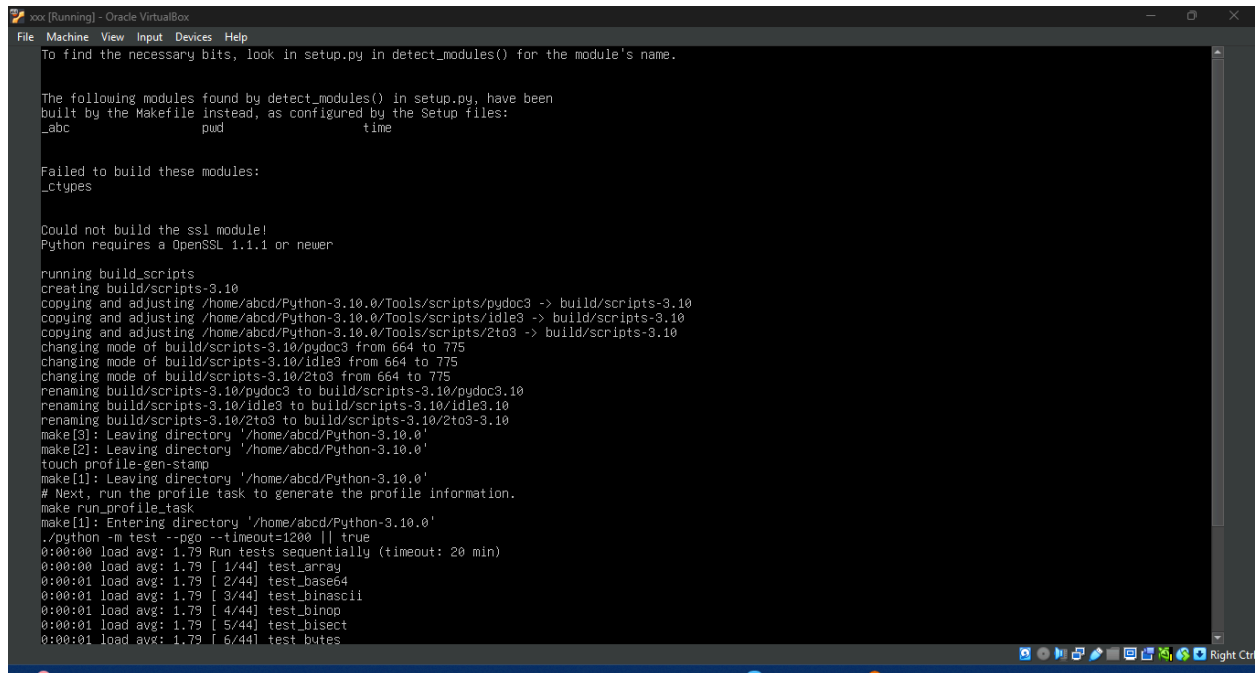
```
make-j$(nproc)
```

```
make install
```

```
xxx [Running] - Oracle VirtualBox
File Machine View Input Devices Help
checking for --with-computed-gotos... no value specified
checking whether gcc supports computed gotos... yes
checking for build directories... done
checking for -O2... yes
checking for glibc_FORTIFY_SOURCE/memmove bug... no
checking for gcc ipa-pure-const bug... no
checking for stdatomic.h... yes
checking for builtin __atomic_load_n and __atomic_store_n functions... yes
checking for ensurepip... upgrade
checking if the dirent structure of a d_type field... yes
checking for the Linux getrandom() syscall... yes
checking for the getrandom() function... yes
checking for library containing shm_open... none required
checking for sys/mman.h... (cached) yes
checking for shm_open... yes
checking for shm_unlink... yes
checking for pkg-config... no
checking for openssl/ssl.h in /usr/local/ssl... no
checking for openssl/ssl.h in /usr/lib/ssl... no
checking for openssl/ssl.h in /usr/ssl... no
checking for openssl/ssl.h in /usr/pkg... no
checking for openssl/ssl.h in /usr/local... no
checking for openssl/ssl.h in /usr... no
checking whether compiling and linking against OpenSSL works... no
checking for --with-openssl-rpath...
checking for --with-ssl-default-suites... python
checking for --with-builtin-hashlib-hashes... md5, sha1, sha256, sha512, sha3, blake2
checking for --with-experimental-isolated-subinterpreters... no
checking for --with-static-libpython... yes
checking for --disable-test-modules... no
configure: creating ./config.status
config.status: creating Makefile.pre
config.status: creating Misc/python.pc
config.status: creating Misc/python-embed.pc
config.status: creating Misc/python-config.sh
config.status: creating Modules/_ld_so_aix
config.status: creating pyconfig.h
config.status: pyconfig.h is unchanged
creating Modules/Setup.local
creating Makefile
abcd@abcd:~/Python-3.10.0$
```

creating Makefile  
abcd@abcd:~/Python-3.10.0\$ make -j\$(nproc)

```
xxx [Running] - Oracle VirtualBox
File Machine View Input Devices Help
gcc -shared -fno-semantic-interposition -fprofile-generate build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_randommodule.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -o build/lib.linux-x86_64-3.10/_random.cpython-310-x86_64-linux-gnu.so
building '_heapq' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/_heapqmodule.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_heapqmodule.o -DPy_BUILD_CORE_MODULE
gcc -shared -fno-semantic-interposition -fprofile-generate build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_bisectmodule.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -o build/lib.linux-x86_64-3.10/_bisect.cpython-310-x86_64-linux-gnu.so
building '_pickle' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/_pickle.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_pickle.o -DPy_BUILD_CORE_MODULE
gcc -shared -fno-semantic-interposition -fprofile-generate build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_heapqmodule.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -o build/lib.linux-x86_64-3.10/_heapq.cpython-310-x86_64-linux-gnu.so
building '_json' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/_json.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_json.o -DPy_BUILD_CORE_MODULE
gcc -shared -fno-semantic-interposition -fprofile-generate build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_json.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -o build/lib.linux-x86_64-3.10/_json.cpython-310-x86_64-linux-gnu.so
building '_lspref' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/_lspref.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_lspref.o
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/rotatingtree.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/rotatingtree.o
gcc -shared -fno-semantic-interposition -fprofile-generate build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/_lspref.o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/rotatingtree.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -o build/lib.linux-x86_64-3.10/_lspref.cpython-310-x86_64-linux-gnu.so
building 'unicodedata' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -fno-semantic-interposition -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -fprofile-generate -I./include/internal -I./include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/abcd/Python-3.10.0/include -I/home/abcd/Python-3.10.0 -c /home/abcd/Python-3.10.0/Modules/unicodedata.c -o build/temp.linux-x86_64-3.10/home/abcd/Python-3.10.0/Modules/unicodedata.o -DPy_BUILD_CORE_MODULE
```



```
File Machine View Input Devices Help
To find the necessary bits, look in setup.py in detect_modules() for the module's name.

The following modules found by detect_modules() in setup.py, have been
built by the Makefile instead, as configured by the Setup files:
 _abc          pud          time

Failed to build these modules:
 _c_types

Could not build the ssl module!
Python requires a OpenSSL 1.1.1 or newer

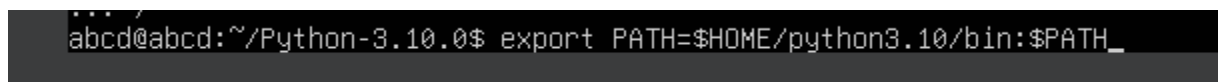
running build_scripts
creating build/scripts-3.10
copying and adjusting /home/abcd/Python-3.10.0/Tools/scripts/pydoc3 -> build/scripts-3.10
copying and adjusting /home/abcd/Python-3.10.0/Tools/scripts/idle3 -> build/scripts-3.10
copying and adjusting /home/abcd/Python-3.10.0/Tools/scripts/2to3 -> build/scripts-3.10
changing mode of build/scripts-3.10/pydoc3 from 664 to 775
changing mode of build/scripts-3.10/idle3 from 664 to 775
changing mode of build/scripts-3.10/2to3 from 664 to 775
renaming build/scripts-3.10/pydoc3 to build/scripts-3.10/pydoc3.10
renaming build/scripts-3.10/idle3 to build/scripts-3.10/idle3.10
renaming build/scripts-3.10/2to3 to build/scripts-3.10/2to3-3.10
make[3]: Leaving directory '/home/abcd/Python-3.10.0'
make[2]: Leaving directory '/home/abcd/Python-3.10.0'
touch profile-gen-stamp
make[1]: Leaving directory '/home/abcd/Python-3.10.0'
# Next, run the profile task to generate the profile information.
make run_profile_task
make[1]: Entering directory '/home/abcd/Python-3.10.0'
./python -m test --pgo --timeout=1200 || true
0:00:00 load avg: 1.79 Run tests sequentially (timeout: 20 min)
0:00:00 load avg: 1.79 [ 1/44] test_array
0:00:01 load avg: 1.79 [ 2/44] test_base64
0:00:01 load avg: 1.79 [ 3/44] test_binascii
0:00:01 load avg: 1.79 [ 4/44] test_binop
0:00:01 load avg: 1.79 [ 5/44] test_bisect
0:00:01 load avg: 1.79 [ 6/44] test_bytes
```

In this we understand that we need to build openssl module as it has failed to do so

# Exporting Python to PATH

```
export PATH=$HOME/python3.10/bin:$PATH
```

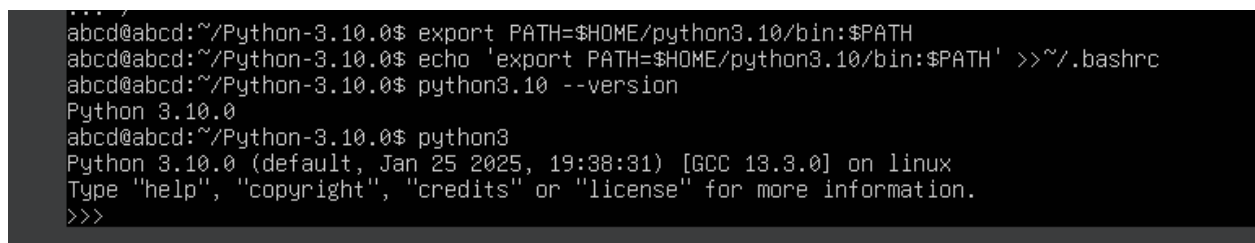
```
echo 'export PATH=$HOME/python3.10/bin:$PATH' >> ~/.bashrc
```



```
abcd@abcd:~/Python-3.10.0$ export PATH=$HOME/python3.10/bin:$PATH_
```

~/.bashrc makes the export permanent

Now Python 3.10 is installed



```
abcd@abcd:~/Python-3.10.0$ export PATH=$HOME/python3.10/bin:$PATH
abcd@abcd:~/Python-3.10.0$ echo 'export PATH=$HOME/python3.10/bin:$PATH' >> ~/.bashrc
abcd@abcd:~/Python-3.10.0$ python3.10 --version
Python 3.10.0
abcd@abcd:~/Python-3.10.0$ python3
Python 3.10.0 (default, Jan 25 2025, 19:38:31) [GCC 13.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

# Generating Python Virtual Environment

```
python3 -m venv myenv
```

```
source myenv/bin/activate
```

```
>>> exit()
abcd@abcd:~/Python-3.10.0$ python3.10 -m venv myenv
```

```
abcd@abcd:~/Python-3.10.0$ python3.10 -m venv myenv
abcd@abcd:~/Python-3.10.0$ source myenv/bin/activate_
```

Thus, Virtual Enviroment gets installed

```
(myenv) abcd@abcd:~/Python-3.10.0$ _
```

## # Understanding the Errors

To understand the error; we try installing label-studio to get the pip and SSL errors

Pip install label-studio

```
abcd@abcd:~/Python-3.10.0$ source myenv/bin/activate
(myenv) abcd@abcd:~/Python-3.10.0$ pip install label-studio
WARNING: pip is configured with locations that require TLS/SSL, however the ssl module in Python is not available.
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/label-studio/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/label-studio/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/label-studio/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/label-studio/
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.")': /simple/label-studio/
Could not fetch URL https://pypi.org/simple/label-studio/: There was a problem confirming the ssl certificate: HTTPSConnectionPool(host='pypi.org', port=443): Max retries exceeded with url: /simple/label-studio/ (Caused by SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.)) - skipping
ERROR: Could not find a version that satisfies the requirement label-studio (from versions: none)
ERROR: No matching distribution found for label-studio
WARNING: pip is configured with locations that require TLS/SSL, however the ssl module in Python is not available.
Could not fetch URL https://pypi.org/simple/pip/: There was a problem confirming the ssl certificate: HTTPSConnectionPool(host='pypi.org', port=443): Max retries exceeded with url: /simple/pip/ (Caused by SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.)) - skipping
(myenv) abcd@abcd:~/Python-3.10.0$ _
```

Checking the certificates of pip

```
(myenv) abcd@abcd:~/Python-3.10.0$ pip install --upgrade certifi --user
ERROR: Can not perform a '--user' install. User site-packages are not visible in this virtualenv.
WARNING: pip is configured with locations that require TLS/SSL, however the ssl module in Python is not available.
Could not fetch URL https://pypi.org/simple/pip/: There was a problem confirming the ssl certificate: HTTPSConnectionPool(host='pypi.org', port=443): Max retries exceeded with url: /simple/pip/ (Caused by SSLERROR("Can't connect to HTTPS URL because the SSL module is not available.)) - skipping
(myenv) abcd@abcd:~/Python-3.10.0$ _
```

## # Downloading OpenSSL

```
wget https://www.openssl.org/source/openssl-1.1.1u.tar.gz
```

```
tar -xvzf openssl-1.1.1u.tar.gz
```

```
cd openssl-1.1.1u
```

```
./config --prefix=$HOME/openssl --openssldir=$HOME/openssl
```

```
make -j$(nproc)
```

```
make install
```

```
46 history  
(myenv) abcd@abcd:~/Python-3.10.0$ wget https://www.openssl.org/source/openssl-1.1.1u.tar.gz_
```

```
(myenv) abcd@abcd:~/Python-3.10.0$ wget https://www.openssl.org/source/openssl-1.1.1u.tar.gz  
--2025-01-25 20:33:48-- https://www.openssl.org/source/openssl-1.1.1u.tar.gz  
Resolving www.openssl.org (www.openssl.org)... 34.49.79.89, 2600:1901:0:d50b::  
Connecting to www.openssl.org (www.openssl.org)|34.49.79.89|:443... connected.  
HTTP request sent, awaiting response... 301 Moved Permanently  
Location: https://github.com/openssl/openssl/releases/download/OpenSSL_1_1_1u/openssl-1.1.1u.tar.gz [following]  
--2025-01-25 20:33:50-- https://github.com/openssl/openssl/releases/download/OpenSSL_1_1_1u/openssl-1.1.1u.tar.gz  
Resolving github.com (github.com)... 20.207.73.82  
Connecting to github.com (github.com)|20.207.73.82|:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: https://objects.githubusercontent.com/github-production-release-asset-2e65be/7634677/c255b370-1659-40ef-b1b2-c3c5ccc478ee?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250125T203330Z&X-Amz-Expires=300&X-Amz-Signature=f4b0da9da27fa7a6c4577d449e800620f8dad01614f5ebf0a08c82fdea3ecd1&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1u.tar.gz&response-content-type=application%2Foctet-stream [following]  
--2025-01-25 20:33:51-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/7634677/c255b370-1659-40ef-b1b2-c3c5ccc478ee?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20250125T203330Z&X-Amz-Expires=300&X-Amz-Signature=f4b0da9da27fa7a6c4577d449e800620f8dad01614f5ebf0a08c82fdea3ecd1&X-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1u.tar.gz&response-content-type=application%2Foctet-stream  
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.110.133, 185.199.108.133, 185.199.109.133, ...  
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)|185.199.110.133|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 9892176 (9.4M) [application/octet-stream]  
Saving to: 'openssl-1.1.1u.tar.gz'  
  
openssl-1.1.1u.tar.gz          100%[=====] 9.43M 4.75MB/s in 2.0s  
2025-01-25 20:33:54 (4.75 MB/s) - 'openssl-1.1.1u.tar.gz' saved [9892176/9892176]
```

```
(myenv) abcd@abcd:~/Python-3.10.0/openssl-1.1.1u$ ./config --prefix=$HOME/openssl --openssldir=$HOME/openssl
```

```
# exporting the flags and configuring to build OpenSSL with Python 3.10
```

```
export LDFLAGS="-L$HOME/openssl/lib"
```

```
export CPPFLAGS="-I$HOME/openssl/include"
```

```
./configure --prefix=$HOME/python3.10 --with-openssl=$HOME/openssl  
--with-openssl-rpath=auto
```

```
make -j$(nproc)
```

## make install

```
(myenv) abcd@abcd:~/Python-3.10.0/openssl-1.1.1u$ ./config --prefix=$HOME/openssl --openssldir=$HOME/openssl
Operating system: x86_64-whatever-linux2
Configuring OpenSSL version 1.1.1u (0x1010115fL) for linux-x86_64
Using os-specific seed configuration
Creating configdata.pm
Creating Makefile

*********************************************************************
***
***   OpenSSL has been successfully configured
***
***   If you encounter a problem while building, please open an   ***
***   issue on GitHub <https://github.com/openssl/openssl/issues> ***
***   and include the output from the following command:          ***
***
***       perl configdata.pm --dump
***
***   (If you are new to OpenSSL, you might want to consult the   ***
***   'Troubleshooting' section in the INSTALL file first)
***
***
*********************************************************************
(myenv) abcd@abcd:~/Python-3.10.0/openssl-1.1.1u$
```

To know that openssl is installed with no errors we run the following command and then as nothing happens it ensures the installation

```
(myenv) abcd@abcd:~/Python-3.10.0$ python3.10 -m ssl
(myenv) abcd@abcd:~/Python-3.10.0$ _
```

## # Updating all the certificates

```
(myenv) abcd@abcd:~/Python-3.10.0$ pip install --upgrade certifi
Collecting certifi
  Downloading certifi-2024.12.14-py3-none-any.whl (164 kB)
    | 164 kB 921 kB/s
Installing collected packages: certifi
Successfully installed certifi-2024.12.14
WARNING: You are using pip version 21.2.3; however, version 24.3.1 is available.
You should consider upgrading via the '/home/abcd/myenv/bin/python3 -m pip install --upgrade pip' command.
(myenv) abcd@abcd:~/Python-3.10.0$
```

## # Trying to install label-studio

Pip install label-studio



```
Downloading boto3-1.36.6-py3-none-any.whl (13.3 MB)
| 13.3 MB 3.5 MB/s
Collecting pytz<2023.0,>=2022.1
Using cached pytz-2022.7.1-py3-none-any.whl (499 kB)
Collecting humansignal-drf-yasg>=1.21.10.post1
Downloading humansignal-drf-yasg-1.21.10.post1-py3-none-any.whl (4.3 MB)
| 4.3 MB 2.6 MB/s
Collecting openai<2.0.0,>=1.10.0
Downloading openai-1.60.1-py3-none-any.whl (456 kB)
| 456 kB 25.3 MB/s
Collecting drf-flex-fields==0.9.5
Using cached drf-flex-fields-0.9.5.tar.gz (27 kB)
ERROR: Command errored out with exit status 1:
command: /home/abcd/mjvenv/bin/python3 -c 'import io, os, sys, setuptools, tokenize; sys.argv[0] = ''''/tmp/pip-install-9z5r3kqc/drf-flex-fields_502efb2ecafb4947aa03a52fa2ff22ee/setup.py''''; __file__ = ''''/tmp/pip-install-9z5r3kqc/drf-flex-fields_502efb2ecafb4947aa03a52fa2ff22ee/setup.py''''; f = getattr(tokenize, ''''open'''').open(__file__) if os.path.exists(__file__) else io.StringIO('''''from setuptools import setup; setup()'''''); code = f.read().replace('''''\r\n'''' , ''''\n'''' ); f.close(); exec(compile(code, __file__, ''''exec''''))'' egg_info --egg-base /tmp/pip-egg-info-2j0r9y70'
cwd: /tmp/pip-install-9z5r3kqc/drf-flex-fields_502efb2ecafb4947aa03a52fa2ff22ee/
Complete output (11 lines):
Traceback (most recent call last):
  File "<string>", line 1, in <module>
  File "/home/abcd/mjvenv/lib/python3.10/site-packages/setuptools/__init__.py", line 18, in <module>
    from setuptools.dist import Distribution
  File "/home/abcd/mjvenv/lib/python3.10/site-packages/setuptools/dist.py", line 38, in <module>
    from setuptools import windows_support
  File "/home/abcd/mjvenv/lib/python3.10/site-packages/setuptools/windows_support.py", line 2, in <module>
    import ctypes
  File "/home/abcd/mjvenv/lib/python3.10/site-packages/setuptools/windows_support.py", line 8, in <module>
    from ctypes import Union, Structure, Array
ModuleNotFoundError: No module named 'ctypes'
WARNING: Discarding https://files.pythonhosted.org/packages/5e/1f/1bb84adc99cd1682520b60a29b857af4ffad35dda41feac3967bcd552b72/drf-flex-fields-0.9.5.tar.gz#sha256=4551a80e60fa50c947bd17cfc3a06f74d5baa3e6905b7447f18c2f8f088661d (from https://pypi.org/simple/drf-flex-fields/). Command errored out with exit status 1: python setup.py egg_info Check the logs for full command output.
Collecting label-studio
Downloading label-studio-1.14.0.post0-py3-none-any.whl (58.4 MB)
| 58.4 MB 8.8 MB/s eta 0:00:01ERROR: Could not install packages due to an OSError: [Errno 28] No space left on device

WARNING: You are using pip version 21.2.3; however, version 24.3.1 is available.
You should consider upgrading via the '/home/abcd/mjvenv/bin/python3 -m pip install --upgrade pip' command.
(mjvenv) abcd@abcd:~/Python-3.10.0$
```

In my laptop as there was no space left we had to change our PC; where we reentered all the above screenshots; **And where successful in installing label-studio**

### # Running label-studio

After running label-studio we got the following output as shown in the video

[https://drive.google.com/file/d/1MIducgEyZqShU6PHpnZt7qcm9WH-nZwR/view?usp=drive\\_link](https://drive.google.com/file/d/1MIducgEyZqShU6PHpnZt7qcm9WH-nZwR/view?usp=drive_link)

As shown; the server is able to install the initial time however it shows that sqlite is required. We tried installing sqlite; using the commands below

wget https://www.sqlite.org/2025/sqlite-autoconf-3480000.tar.gz

tar -xvzf sqlite-autoconf-3480000.tar.gz

cd sqlite-autoconf-3480000

./configure --prefix=\$HOME/sqlite

make

make install

```
export PATH=$HOME/sqlite/bin:$PATH
```

```
sqlite --version
```

After which we will be able to use label-studio; which should show output like this is the cli. However; we encountered a severe issue; and whole of our linux got crashed down while installing sqlite. It removed all the programs including commands like ls and pwd.

```
=> Database and media directory: C:\Users\Admin\AppData\Local\label-studio\label-studio
=> Static URL is set to: /static/
=> Database and media directory: C:\Users\Admin\AppData\Local\label-studio\label-studio
=> Static URL is set to: /static/
Read environment variables from: C:\Users\Admin\AppData\Local\label-studio\label-studio\.env
get 'SECRET_KEY' casted as '<class 'str'>' with default ''
Starting new HTTPS connection (1): pypi.org:443
https://pypi.org:443 "GET /pypi/label-studio/json HTTP/1.1" 200 33651
C:\Users\Admin\anaconda3\Lib\site-packages\paramiko\pkey.py:82: CryptographyDeprecationWarning: TripleDES has been moved
to cryptography.hazmat.decrepit.ciphers.algorithms.TripleDES and will be removed from this module in 48.0.0.
  "cipher": algorithms.TripleDES,
C:\Users\Admin\anaconda3\Lib\site-packages\paramiko\transport.py:219: CryptographyDeprecationWarning: Blowfish has been
moved to cryptography.hazmat.decrepit.ciphers.algorithms.Blowfish and will be removed from this module in 45.0.0.
  "class": algorithms.Blowfish,
C:\Users\Admin\anaconda3\Lib\site-packages\paramiko\transport.py:243: CryptographyDeprecationWarning: TripleDES has been
moved to cryptography.hazmat.decrepit.ciphers.algorithms.TripleDES and will be removed from this module in 48.0.0.
  "class": algorithms.TripleDES,
January 26, 2025 - 18:14:21
Django version 4.2.18, using settings 'label_studio.core.settings.label_studio'
Starting development server at http://0.0.0.0:8080/
Quit the server with CTRL-BREAK.
```

And after doing portforwarding it opens label studio in the browser

