

Executing Command : 'history -c && history -w'

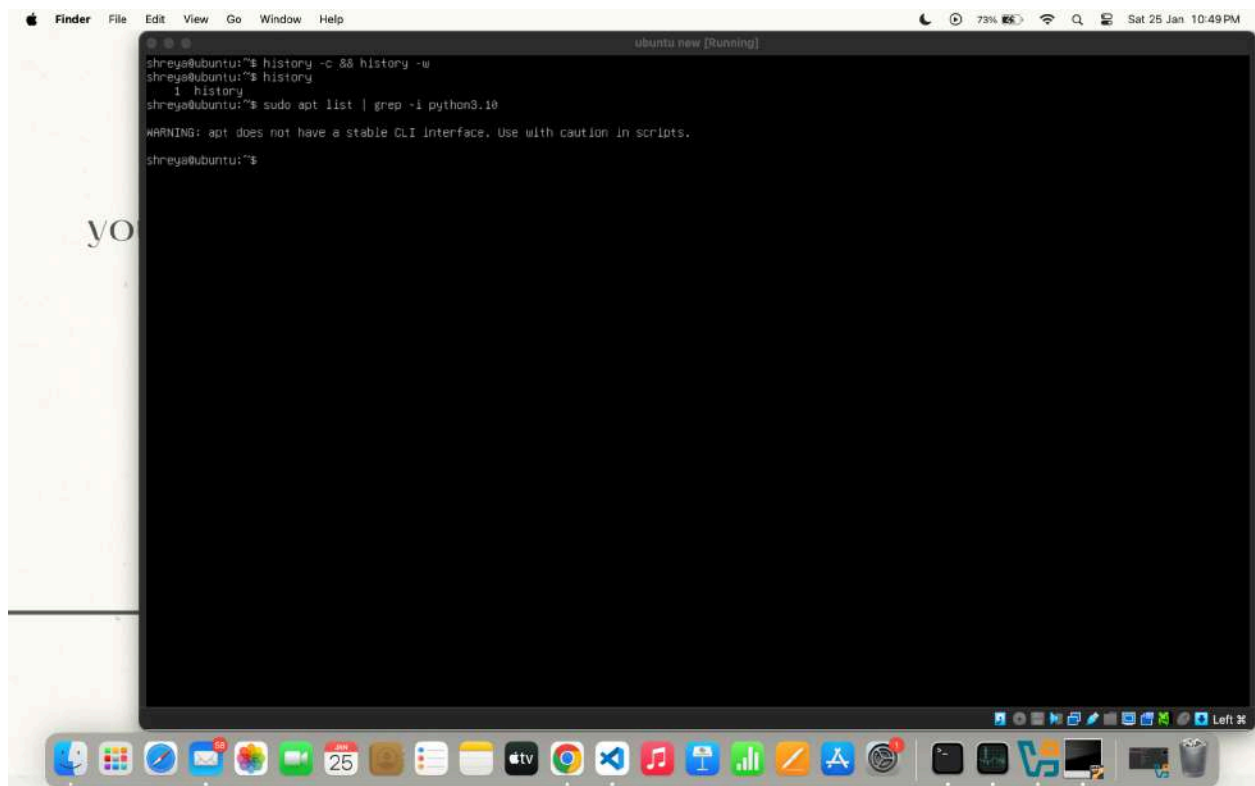
'history'

'sudo apt list | grep -i python3.10'

'history -c' command erases previous history. Here, 'history -w' overwrites the history file.

'history' : this command shows the current history of the shell.

'sudo apt list | grep -i python3.10' : This command lists all the available packages installed using 'apt' and checks if python3.10 is listed in these packages.

A screenshot of a macOS desktop with a terminal window titled 'ubuntu new [Running]'. The terminal shows the following commands and output: 'shreya@ubuntu:~\$ history -c && history -w', 'shreya@ubuntu:~\$ history' (output: '1 history'), and 'shreya@ubuntu:~\$ sudo apt list | grep -i python3.10' (output: 'WARNING: apt does not have a stable CLI interface. Use with caution in scripts.'). The terminal window is open over a Finder window showing a folder named 'yo'. The macOS dock is visible at the bottom with various application icons.

```
shreya@ubuntu:~$ history -c && history -w
shreya@ubuntu:~$ history
1 history
shreya@ubuntu:~$ sudo apt list | grep -i python3.10

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

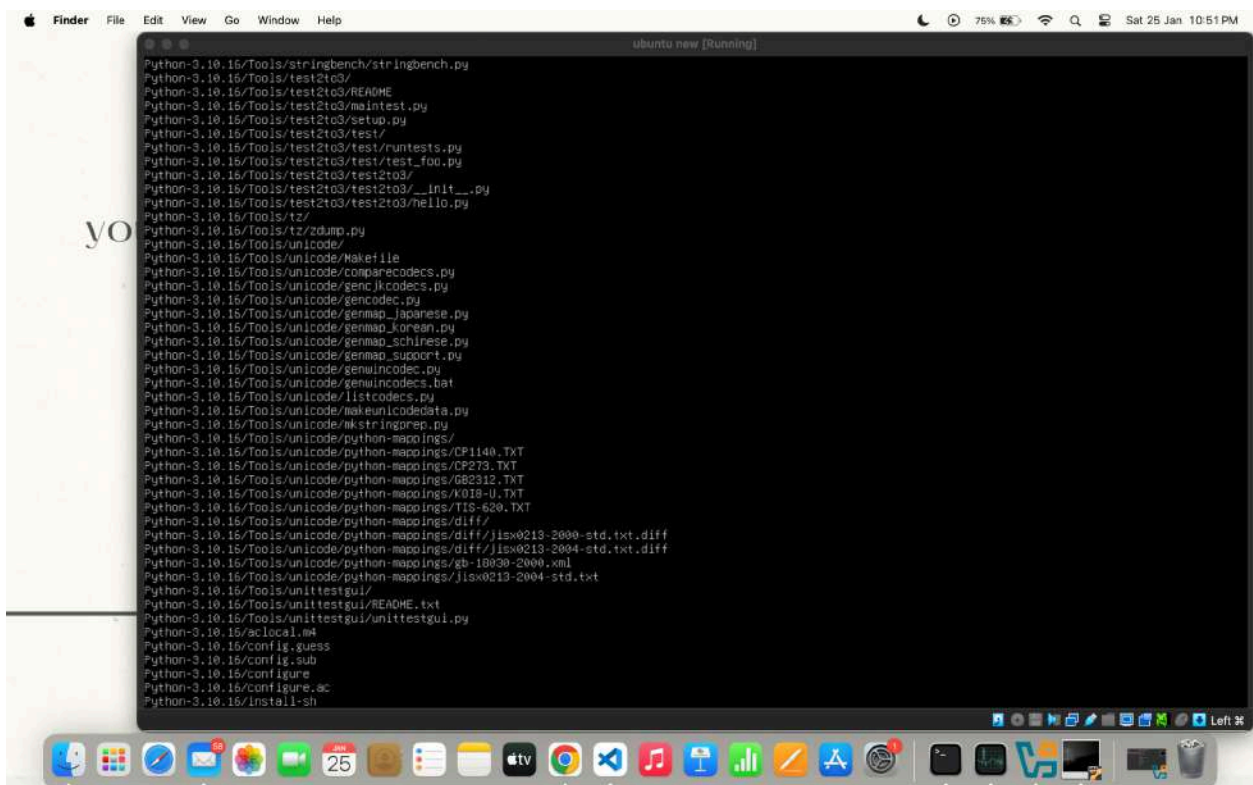
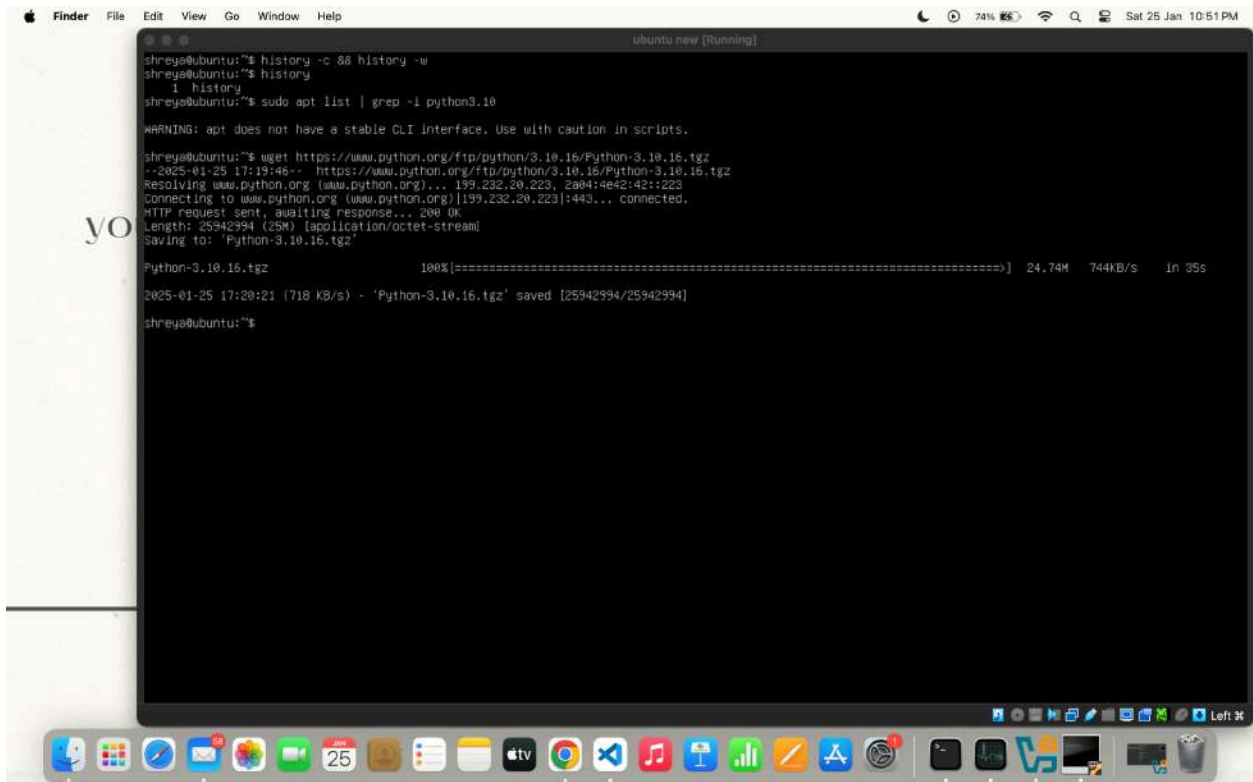
shreya@ubuntu:~$
```

Executing Commands :

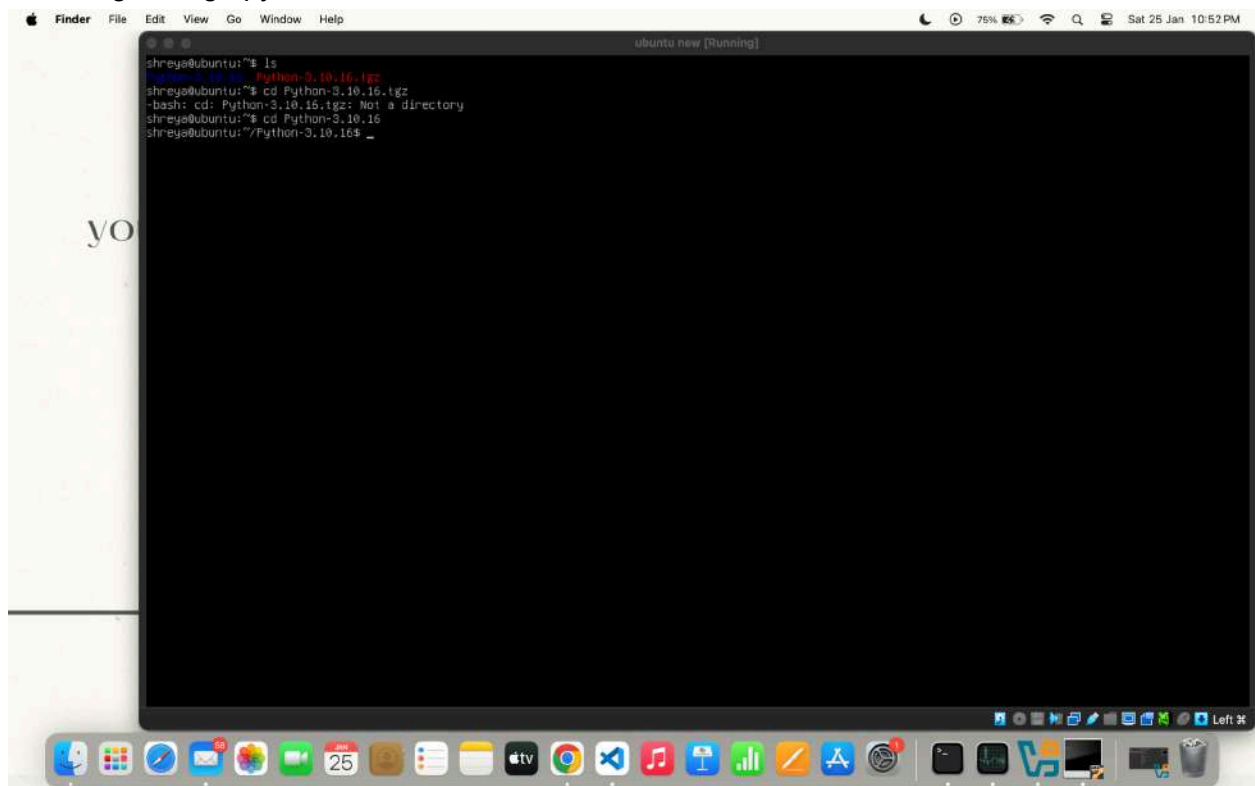
'wget <https://www.python.org/ftp/python/3.10.16/Python-3.10.16.tgz>'

'tar -xvf Python-3.10.16.tgz'

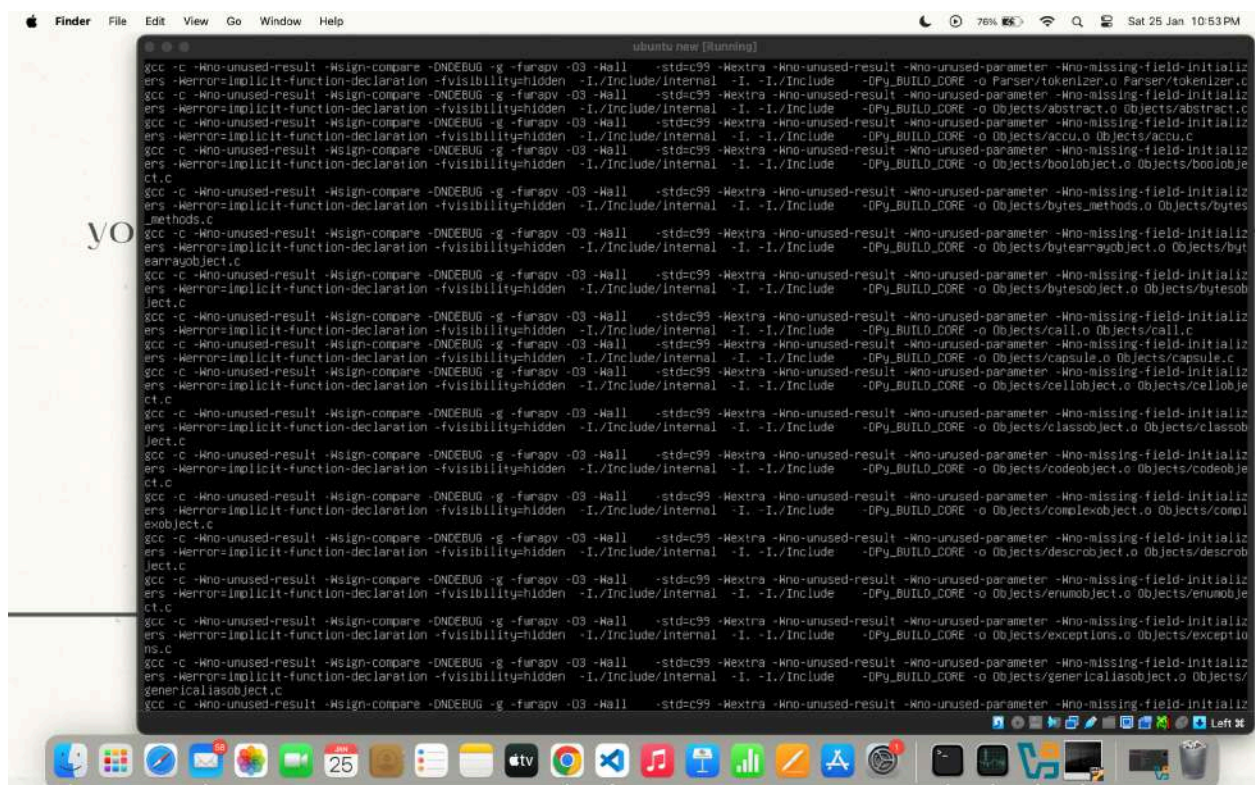
These commands download the source code for python 3.10 and 'tar' is used to extract the files.



Following through python installations



```
shreya@ubuntu:~$ ls
Python-3.10.16.tgz
shreya@ubuntu:~$ cd Python-3.10.16.tgz
-bash: cd: Python-3.10.16.tgz: Not a directory
shreya@ubuntu:~$ cd Python-3.10.16
shreya@ubuntu:~/Python-3.10.16$
```



```
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Parser/tokenizer.o Parser/tokenizer.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/abstract.o Objects/abstract.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/accu.o Objects/accu.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/boolobject.o Objects/boolobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/bytes_methods.o Objects/bytes_methods.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/bytesobject.o Objects/bytesobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/bytesobject.o Objects/bytesobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/call.o Objects/call.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/capsule.o Objects/capsule.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/cellobject.o Objects/cellobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/classobject.o Objects/classobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/codeobject.o Objects/codeobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/complexobject.o Objects/complexobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/descriptor.o Objects/descriptor.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/enumeration.o Objects/enumeration.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/genericaliasobject.o Objects/genericaliasobject.c
gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/INTERNAL -I. -I./Include -DPy_BUILD_CORE -o Objects/genericaliasobject.o Objects/genericaliasobject.c
```

Here we get an error message, showing that the openssl module is not found. Thus, we download OpenSSL

```
building '_ctypes' extension
gcc -fPIC -Wno-unused-result -Wsign-compare -DDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror-implicit-function-declaration -fvisibility=hidden -I./Include/internal -I./Include -I./usr/include/aarch64-linux-gnu -I/usr/local/include -I/home/shreya/Python-3.10.16/Include -I/home/shreya/Python-3.10.16 -c /home/shreya/Python-3.10.16/Modules/_ctypes/_ctypes.c -DPy_BUILD_CORE_MODULE -o build/temp.linux-aarch64-3.10/home/shreya/Python-3.10.16/Modules/_ctypes/_ctypes.o
107 | #include <ffih.h>
      | ^~~~~~
compilation terminated.

The necessary bits to build these optional modules were not found:
  _bz2      _curses      _curses_panel
  _dbm      _gdbm        _hashlib
  _lzma     _sqlite3           _ssl
  _tkinter  _zlib          nis
  readline
  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      _dlib      time

Failed to build these modules:
  _ctypes

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/shreya/Python-3.10.16/Tools/scripts/pydoc3 -> build/scripts-3.10
copying and adjusting /home/shreya/Python-3.10.16/Tools/scripts/idle3 -> build/scripts-3.10
copying and adjusting /home/shreya/Python-3.10.16/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-3.10/2to3.10
./usr/bin/install -c -m 644 ./Tools/gdb/libpython.py python-gdb.py
gcc -c -Wno-unused-result -Wsign-compare -DDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializers -Werror-implicit-function-declaration -fvisibility=hidden -I./Include/internal -I./Include -DPy_BUILD_CORE -o Programs/_testembed.o ./Programs/_testembed.c
gcc -Klinker -export-dynamic -o Programs/_testembed Programs/_testembed.o libpython3.10.a -lcrypt -ldl -lm -lm
```

```
shreya@ubuntu:~/Python-3.10.16$ wget https://www.openssl.org/source/openssl-1.1.1.tar.gz
--2025-01-25 17:20:51-- https://www.openssl.org/source/openssl-1.1.1.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-1.1.1/openssl-1.1.1.tar.gz [following]
--2025-01-25 17:20:53-- https://github.com/openssl/openssl/releases/download/openssl-1.1.1/openssl-1.1.1.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/7634677/1e38c9f6-77e9-402f-896a-3070335b7ddb7x-Amz-Algorithm=AWS4-HMAC-SHA256&Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2F%2Faws4_request&Amz-Date=20250125T172053Z&Amz-Expires=300&Amz-Signature=a917471c7450c177450b157f0dd790c221be7c7f62d1902d926911a630539348x-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-01-25 17:20:53-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/7634677/1e38c9f6-77e9-402f-896a-3070335b7ddb7x-Amz-Algorithm=AWS4-HMAC-SHA256&Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2F%2Faws4_request&Amz-Date=20250125T172053Z&Amz-Expires=300&Amz-Signature=a917471c7450c177450b157f0dd790c221be7c7f62d1902d926911a630539348x-Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1.tar.gz&response-content-type=application%2Foctet-stream
Resolving objects.githubusercontent.com (objects.githubusercontent.com)... 185.199.108.133, 185.199.109.133, 185.199.108.133, ...
Connecting to objects.githubusercontent.com (objects.githubusercontent.com)[185.199.108.133]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9834044 (9.4M) [application/octet-stream]
Saving to: 'openssl-1.1.1.tar.gz'

openssl-1.1.1.tar.gz 100%[=====] 9.38M 7.60MB/s in 1.2s

2025-01-25 17:20:56 (7.60 MB/s) - 'openssl-1.1.1.tar.gz' saved [9834044/9834044]

shreya@ubuntu:~/Python-3.10.16$
```



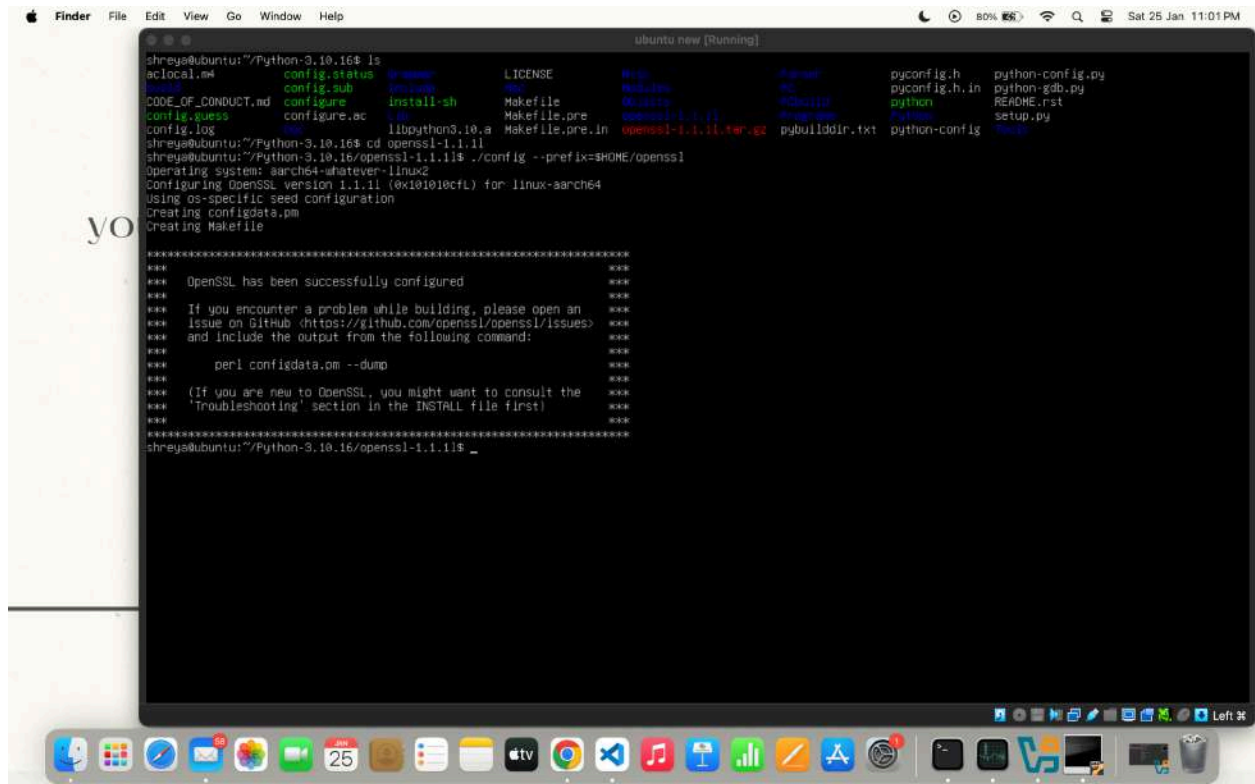
```
shreya@ubuntu:~/Python-3.10.16$ wget https://www.openssl.org/source/openssl-1.1.1l.tar.gz
--2025-01-25 17:20:51-- https://www.openssl.org/source/openssl-1.1.1l.tar.gz
Resolving www.openssl.org (www.openssl.org)... 34.49.79.89, 2600:1901:0:d50b::
Connecting to www.openssl.org (www.openssl.org)[34.49.79.89]:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://github.com/openssl/openssl/releases/download/OpenSSL_1_1_1l/openssl-1.1.1l.tar.gz [following]
--2025-01-25 17:20:53-- https://github.com/openssl/openssl/releases/download/OpenSSL_1_1_1l/openssl-1.1.1l.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/7634677/1e38c9f6-77e9-402f-896a-3070335b7ddb7x-Amz-Algorithm=AWS4-HMAC-SHA256&Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2F%2Faws4_request&Amz-Date=20250125T172053Z&Amz-Expires=300&Amz-Signature=ae917471c7450c177f5bb157f0dd790c221be7c7f62d1902d926911a63053934&Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1l.tar.gz&response-content-type=application%2Foctet-stream [following]
--2025-01-25 17:20:53-- https://objects.githubusercontent.com/github-production-release-asset-2e65be/7634677/1e38c9f6-77e9-402f-896a-3070335b7ddb7x-Amz-Algorithm=AWS4-HMAC-SHA256&Amz-Credential=releaseassetproduction%2F20250125%2Fus-east-1%2F%2Faws4_request&Amz-Date=20250125T172053Z&Amz-Expires=300&Amz-Signature=ae917471c7450c177f5bb157f0dd790c221be7c7f62d1902d926911a63053934&Amz-SignedHeaders=host&response-content-disposition=attachment%3B%20filename%3Dopenssl-1.1.1l.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: 9834044 (9.4M) [application/octet-stream]
Saving to: 'openssl-1.1.1l.tar.gz'

openssl-1.1.1l.tar.gz 100%[=====] 9.38M 7.80MB/s in 1.2s

2025-01-25 17:20:56 (7.80 MB/s) - 'openssl-1.1.1l.tar.gz' saved [9834044/9834044]

shreya@ubuntu:~/Python-3.10.16$ tar -xvzf openssl-1.1.1l.tar.gz
```

```
shreya@ubuntu:~/Python-3.10.16$ ls
LICENSE      Makefile     Makefile.pre  openssl-1.1.1l.tar.gz  pybuild.txt  python-config
aclocal.m4   config.sub   install-sh    openssl-1.1.1l       python-gdb.py  python-gdb.py
CODE_OF_CONDUCT.md  configure    Makefile.pre  openssl-1.1.1l       README.rst    setup.py
config.guess  configure.ac  Makefile.pre  openssl-1.1.1l       README.rst    setup.py
config.log    libpython3.10.a  Makefile.pre  openssl-1.1.1l       README.rst    setup.py
```

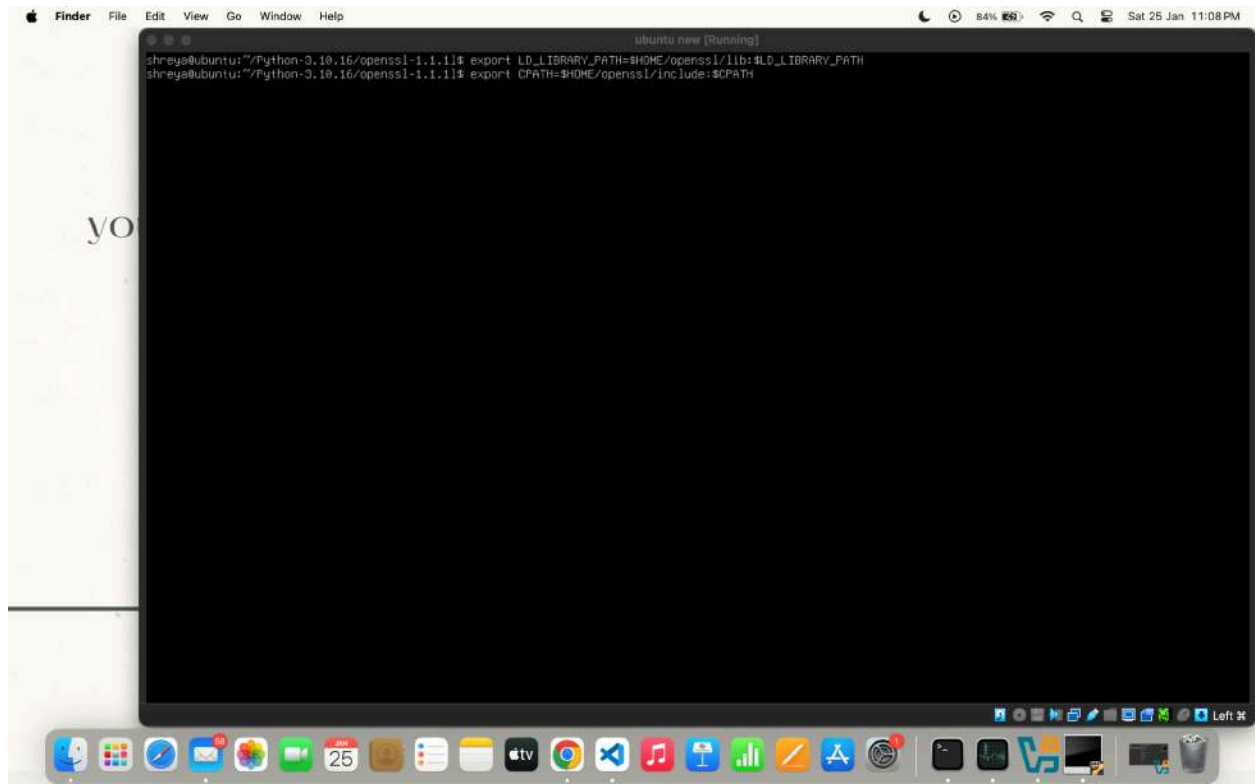


```
shreya@ubuntu:~/Python-3.10.16$ ls
aclocal.m4      config.status  openssl        LICENSE      http         pyconfig.h     python-config.py
aclocal.m4      config.sub     openssl        Makefile     Makefile.pre  pyconfig.h.in  python-gdb.py
CODE_OF_CONDUCT.md  configure     install-sh     Makefile     Makefile.pre  python          README.rst
config.guess     configure.ac   libpython3.10.a  Makefile.pre  openssl-1.1.1f  pybuilddir.txt  python-config  setup.py
config.log

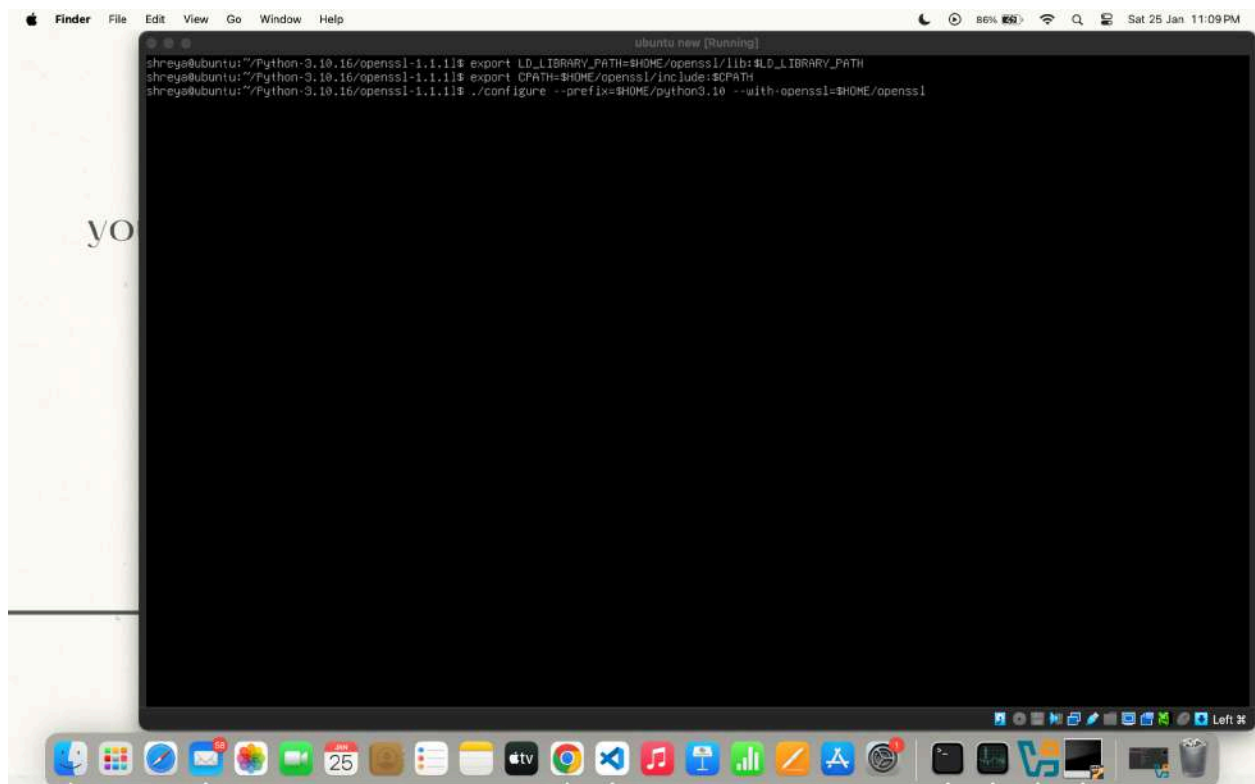
shreya@ubuntu:~/Python-3.10.16$ cd openssl-1.1.1f
shreya@ubuntu:~/Python-3.10.16/openssl-1.1.1f$ ./config --prefix=$HOME/openssl
Operating system: aarch64-whatever-linux2
Configuring OpenSSL version 1.1.1f (0x10100cfL) for linux-aarch64
Using os-specific seed configuration
Creating configdata.pm
Creating 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)
***
*****
shreya@ubuntu:~/Python-3.10.16/openssl-1.1.1f$
```

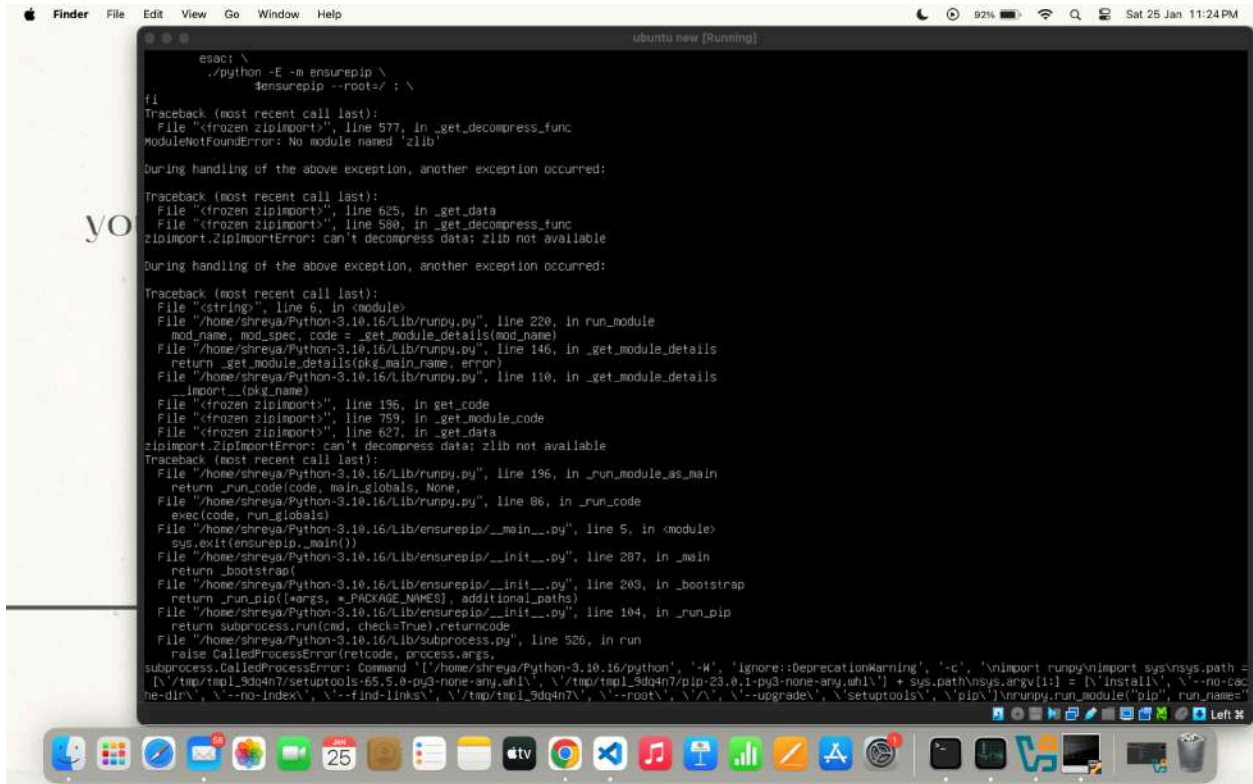
Updating the LD_LIBRARY_PATH environment variable to include the OpenSSL library path and updating the CPATH environment variable to include the OpenSSL include files.



Configuring python build process



OpenSSL 1.1.1 was older, hence OpenSSL 3.10.13 was installed



```
esac; \
./python -E -m ensurepip \
    ensurepip --root=/ ; \
fi
Traceback (most recent call last):
  File "<frozen zipimport>", line 577, in _get_decompress_func
ModuleNotFoundError: No module named 'zlib'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "<frozen zipimport>", line 625, in _get_data
  File "<frozen zipimport>", line 580, in _get_decompress_func
zipimport.ZipImportError: can't decompress data: zlib not available

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "<string>", line 5, in <module>
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 220, in run_module
    mod_name, mod_spec, code = _get_module_details(mod_name)
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 146, in _get_module_details
    return _get_module_details(pkg_main_name, error)
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 110, in _get_module_details
    __import__(pkg_name)
  File "<frozen zipimport>", line 136, in _get_code
  File "<frozen zipimport>", line 759, in _get_module_code
  File "<frozen zipimport>", line 627, in _get_data
zipimport.ZipImportError: can't decompress data: zlib not available
Traceback (most recent call last):
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 86, in _run_code
    exec(code, run_globals)
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_main.py", line 5, in <module>
    sys.exit(ensurepip._main())
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init.py", line 207, in _main
    return _bootstrap(
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init.py", line 203, in _bootstrap
    return _run_pip(*args, *PACKAGE_NAMES, additional_paths)
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init.py", line 104, in _run_pip
    return subprocess.run(cmd, check=True).returncode
  File "/home/shreya/Python-3.10.16/Lib/subprocess.py", line 526, in run
    raise CalledProcessError(retcode, process.args,
subprocess.CalledProcessError: Command '['/home/shreya/Python-3.10.16/python', '-W', 'ignore::DeprecationWarning', '-c', '\nimport runpy\nimport sys\nsys.path =
[\'/tmp/tmp1_9dq4n7/setuptools-65.5.0-py3-none-any.whl\', \'/tmp/tmp1_9dq4n7/pip-23.0.1-py3-none-any.whl\'] + sys.path\nsys.argv[1:] = [\'install\', \'--no-cac
he-dir\', \'--no-index\', \'--find-links\', \'/tmp/tmp1_9dq4n7\', \'--root\', \'/\', \'--upgrade\', \'setuptools\', \'pip\']\nrunpy.run_module(\'pip\', run_names=
```



```
Finder  File  Edit  View  Go  Window  Help  Sun 26 Jan 6:45 PM

$ensurepip --root=/ ; \
fi
Traceback (most recent call last):
  File "<frozen zipimport>", line 577, in _get_decompress_func
ModuleNotFoundError: No module named 'zlib'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "<frozen zipimport>", line 625, in _get_data
  File "<frozen zipimport>", line 580, in _get_decompress_func
zipimport.ZipImportError: can't decompress data: zlib not available

During handling of the above exception, another exception occurred:

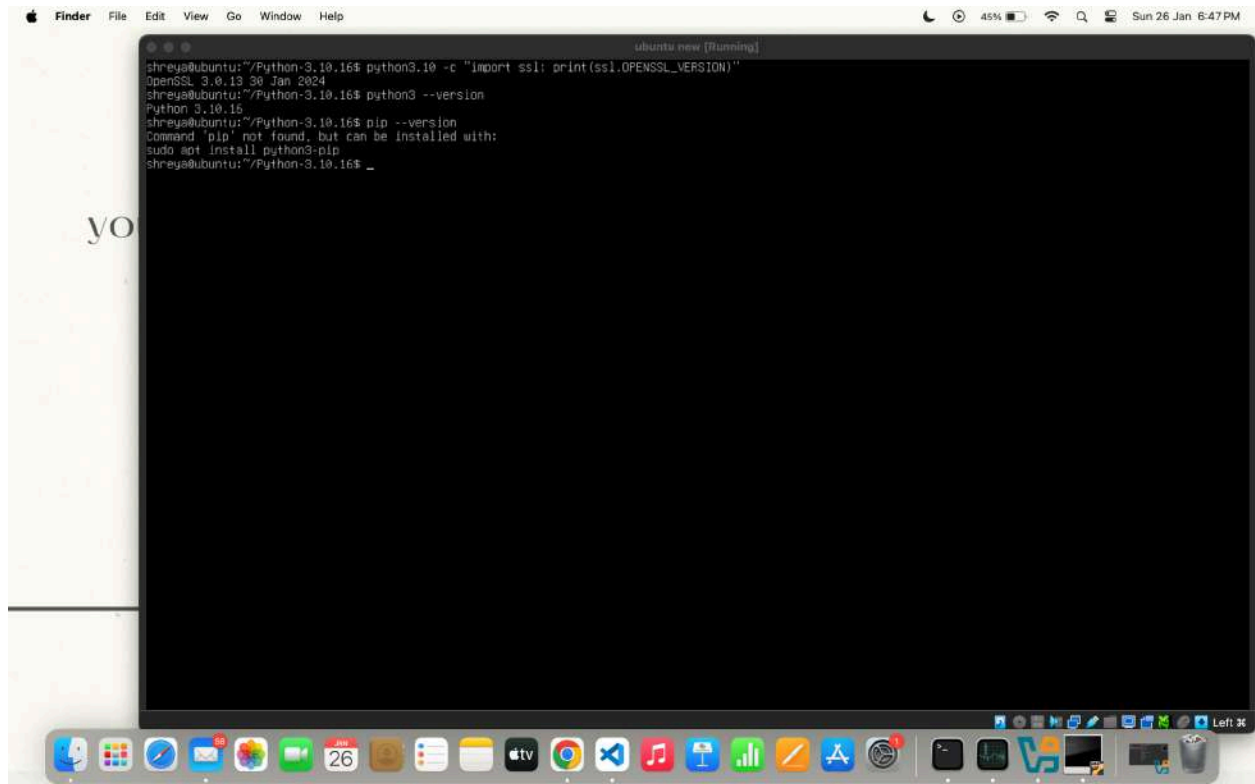
Traceback (most recent call last):
  File "<string>", line 6, in <module>
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 220, in run_module
    mod_name, mod_spec, code = _get_module_details(mod_name)
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 146, in _get_module_details
    return _get_module_details(pkg_main_name, error)
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 110, in _get_module_details
    __import__(pkg_name)
  File "<frozen zipimport>", line 196, in get_code
  File "<frozen zipimport>", line 759, in _get_module_code
  File "<frozen zipimport>", line 627, in _get_data
zipimport.ZipImportError: can't decompress data: zlib not available

Traceback (most recent call last):
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
  File "/home/shreya/Python-3.10.16/Lib/runpy.py", line 86, in _run_code
    exec(code, run_globals)
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_main__.py", line 5, in <module>
    sys.exit(ensurepip._main())
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init__.py", line 287, in _main
    return _bootstrap
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init__.py", line 203, in _bootstrap
    return _run_pip(*args, *PACKAGE_NAMES, additional_paths)
  File "/home/shreya/Python-3.10.16/Lib/ensurepip/_init__.py", line 104, in _run_pip
    return subprocess.run(cmd, check=True).returncode
  File "/home/shreya/Python-3.10.16/Lib/subprocess.py", line 526, in run
    raise CalledProcessError(retcode, process.args,
subprocess.CalledProcessError: Command '['/home/shreya/Python-3.10.16/python', '-W', 'ignore::DeprecationWarning', '-c', '\nimport runpy\nimport sys\nsys.path =
[\n/tmp/tmpgvg_x97b/setuptools-65.5.0-py3-none-any.whl\n', '\n/tmp/tmpgvg_x97b/pip-23.0.1-py3-none-any.whl\n'] + sys.path\nsys.argv[1:] = [\ninstall\n', '\n--no-cac
he-dir\n', '\n--no-index\n', '\n--find-links\n', '\n/tmp/tmpgvg_x97b\n', '\n--root\n', '\n/\n', '\n--upgrade\n', '\nsetuptools\n', '\npip\n']\nrunpy.run_module("pip", run_name="
__main__", alter_sys=True)\n']' returned non-zero exit status 1.

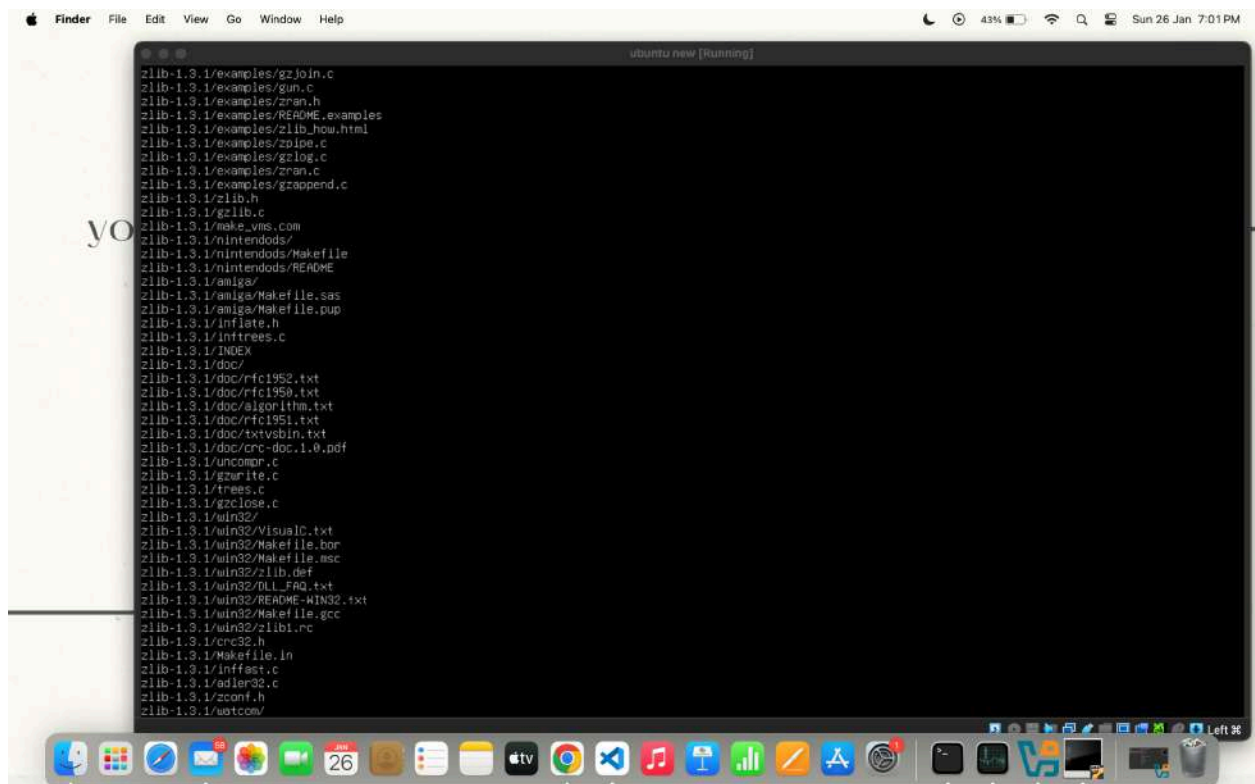
make: *** [Makefile:1280: install] Error 1
```

```
Finder  File  Edit  View  Go  Window  Help  Sun 26 Jan 6:46 PM

shreya@ubuntu:~/Python-3.10.16$ python3.10 -c "import ssl; print(ssl.OPENSSL_VERSION)"
OpenSSL 3.0.13 30 Jan 2024
shreya@ubuntu:~/Python-3.10.16$
```



Installing 'zlib' module, required to set up pip



```
Finder  File  Edit  View  Go  Window  Help

ubuntu new [Running]

zlib-1.3.1/amiga/
zlib-1.3.1/amiga/Makefile.sas
zlib-1.3.1/amiga/Makefile.pup
zlib-1.3.1/inflate.h
zlib-1.3.1/inftrees.c
zlib-1.3.1/INODES
zlib-1.3.1/doc/
zlib-1.3.1/doc/rfc1952.txt
zlib-1.3.1/doc/rfc1950.txt
zlib-1.3.1/doc/algorithm.txt
zlib-1.3.1/doc/rfc1951.txt
zlib-1.3.1/doc/txtvsbin.txt
zlib-1.3.1/doc/crc-doc.1.0.pdf
zlib-1.3.1/uncompr.c
zlib-1.3.1/gzwrite.c
zlib-1.3.1/trees.c
zlib-1.3.1/gzclose.c
zlib-1.3.1/win32/
zlib-1.3.1/win32/VisualC.txt
zlib-1.3.1/win32/Makefile.bor
zlib-1.3.1/win32/Makefile.msc
zlib-1.3.1/win32/zlib.def
zlib-1.3.1/win32/DLL_FAQ.txt
zlib-1.3.1/win32/README-WIN32.txt
zlib-1.3.1/win32/Makefile.gcc
zlib-1.3.1/win32/zlib1.rc
zlib-1.3.1/crc32.h
zlib-1.3.1/Makefile.in
zlib-1.3.1/inffast.c
zlib-1.3.1/adler32.c
zlib-1.3.1/zconf.h
zlib-1.3.1/watcom/
zlib-1.3.1/watcom/watcom.f.mk
zlib-1.3.1/watcom/watcom.l.mk
shreya@ubuntu:~/Python-3.10.16$ cd zlib-1.3.1
shreya@ubuntu:~/Python-3.10.16/zlib-1.3.1$ ./configure --prefix=/home/zlib
checking for gcc...
checking for shared library support...
Building shared library libz.so.1.3.1 with gcc.
checking for size_t... Yes.
checking for off64_t... Yes.
checking for fseeko... Yes.
checking for streerror... Yes.
checking forunistd.h... Yes.
checking for stdarg.h... Yes.
checking whether to use vs[n]printf() or s[n]printf()... using vs[n]printf().
checking for vsnprintf() in stdio.h... Yes.
```

```
Finder  File  Edit  View  Go  Window  Help

ubuntu new [Running]

checking for return value of vsnprintf()... Yes.
checking for attribute(visibility) support... Yes.
shreya@ubuntu:~/Python-3.10.16/zlib-1.3.1$ make
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -c -o example.o test/example.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o adler32.o adler32.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o crc32.o crc32.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o deflate.o deflate.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o inffast.o inffast.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o inflate.o inflate.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o inftrees.o inftrees.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o trees.o trees.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o zutil.o zutil.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o compress.o compress.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzclose.o gzclose.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzlib.o gzlib.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzread.o gzread.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzwrite.o gzwrite.c
ar rc libz.a adler32.o crc32.o deflate.o inffast.o inflate.o inftrees.o trees.o zutil.o compress.o uncompr.o gzclose.o gzlib.o gzread.o gzwrite.o
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o example example.o -L. libz.a
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -c -o minigzip.o test/minigzip.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o minigzip minigzip.o -L. libz.a
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/adler32.o adler32.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/crc32.o crc32.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/deflate.o deflate.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/inffast.o inffast.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/inflate.o inflate.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/inftrees.o inftrees.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/trees.o trees.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/zutil.o zutil.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/compress.o compress.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/uncompr.o uncompr.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzclose.o gzclose.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzlib.o gzlib.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzread.o gzread.c
gcc -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzwrite.o gzwrite.c
gcc -shared -Wl,-soname,libz.so.1,-version-script,zlib.map -O3 -fPIC -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o libz.so.1.3.1 adler32.o crc32.o deflate.o inftrees.o inffast.o inflate.o inftrees.o trees.o zutil.o compress.o uncompr.o gzclose.o gzlib.o gzread.o gzwrite.o -lc -L/home/shreya/openssl/lib
rm -f libz.so libz.a
ln -s libz.so.1.3.1 libz.so
ln -s libz.so.1.3.1 libz.so.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o examplesh example.o -L/home/shreya/openssl/lib -L. libz.so.1.3.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o minigzipsh minigzip.o -L/home/shreya/openssl/lib -L. libz.so.1.3.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -D_FILE_OFFSET_BITS=64 -c -o example64.o test/example.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o example64 example64.o -L. libz.a
```

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Finder  File  Edit  View  Go  Window  Help

ubuntu new [Running]

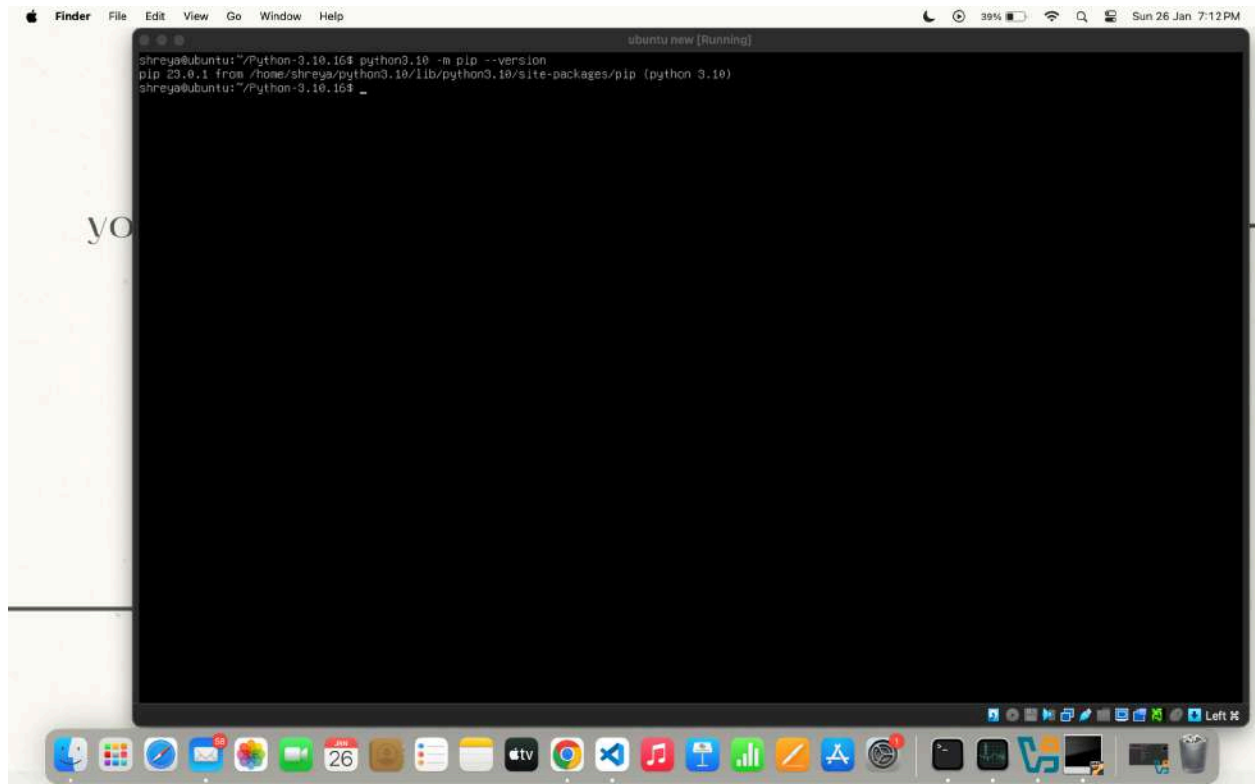
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzclose.o gzclose.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzlib.o gzlib.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzread.o gzread.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -c -o gzwrite.o gzwrite.c
ar rc libz.a adler32.o crc32.o deflate.o infback.o inflate.o inftrees.o util.o compress.o uncompress.o gzclose.o gzlib.o gzread.o gzwrite.o
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o example example.o -L. libz.a
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -c -o minizip.o test/minizip.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o minizip minizip.o -L. libz.a
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/adler32.o adler32.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/crc32.o crc32.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/deflate.o deflate.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/infback.o infback.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/inflate.o inflate.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/inftrees.o inftrees.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/trees.o trees.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/util.o util.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/compress.o compress.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/uncompress.o uncompress.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzclose.o gzclose.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzlib.o gzlib.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzread.o gzread.c
gcc -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -DPIC -c -o obj/gzwrite.o gzwrite.c
gcc -shared -Wl,-soname,libz.so.1,-version-script,zlib.map -O3 -ffpic -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o libz.so.1.3.1 adler32.o crc32.o deflate.o infb
ack.o inflate.o inftrees.o trees.o util.o compress.o uncompress.o gzclose.o gzlib.o gzread.o gzwrite.o -lc -L/home/shreya/openssl/lib
rm -f libz.so libz.so.1
ln -s libz.so.1.3.1 libz.so
ln -s libz.so.1.3.1 libz.so.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o examplesh example.o -L/home/shreya/openssl/lib -L. libz.so.1.3.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -o minizipsh minizip.o -L/home/shreya/openssl/lib -L. libz.so.1.3.1
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -D_FILE_OFFSET_BITS=64 -c -o example64.o test/example.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o example64 example64.o -L. libz.a
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -I. -D_FILE_OFFSET_BITS=64 -c -o minizip64.o test/minizip.c
gcc -O3 -D_LARGEFILE64_SOURCE=1 -DHAVE_HIDDEN -L/home/shreya/openssl/lib -o minizip64 minizip64.o -L. libz.a
shreya@ubuntu:~/Python-3.10.16/zlib-1.3.1$ make install
rm -f /home/shreya/zlib/lib/libz.a
cp libz.a /home/shreya/zlib/lib
chmod 644 /home/shreya/zlib/lib/libz.a
cp libz.so.1.3.1 /home/shreya/zlib/lib
chmod 755 /home/shreya/zlib/lib/libz.so.1.3.1
rm -f /home/shreya/zlib/share/man/man3/zlib.3
cp zlib.3 /home/shreya/zlib/share/man/man3
chmod 644 /home/shreya/zlib/share/man/man3/zlib.3
rm -f /home/shreya/zlib/lib/pkgconfig/zlib.pc
cp zlib.pc /home/shreya/zlib/lib/pkgconfig
chmod 644 /home/shreya/zlib/lib/pkgconfig/zlib.pc
rm -f /home/shreya/zlib/include/zlib.h /home/shreya/zlib/include/zconf.h
```

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Finder  File  Edit  View  Go  Window  Help

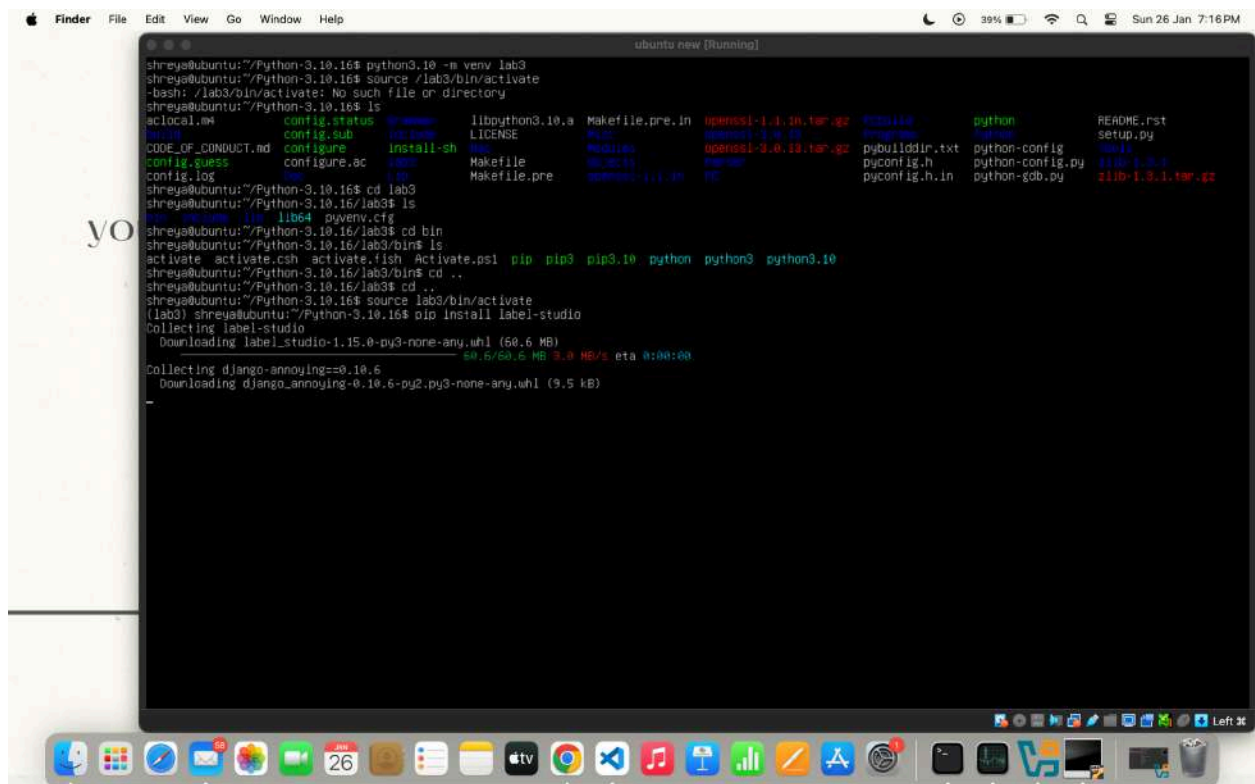
ubuntu new [Running]

fi
if test -f /home/shreya/python3.10/bin/python3 -o -h /home/shreya/python3.10/bin/python3; \
then rm -f /home/shreya/python3.10/bin/python3; \
else true; \
fi
(cd /home/shreya/python3.10/bin; ln -s python3.10 python3)
if test "3.10" = "3.10"; then \
rm -f /home/shreya/python3.10/bin/python3.10-config; \
(cd /home/shreya/python3.10/bin; ln -s python3.10-config python3.10-config); \
rm -f /home/shreya/python3.10/lib/pkgconfig/python3.10.pc; \
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python3.10.pc python3.10.pc); \
rm -f /home/shreya/python3.10/lib/pkgconfig/python3.10-embed.pc; \
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python3.10-embed.pc python3.10-embed.pc); \
fi
rm -f /home/shreya/python3.10/bin/python3-config
(cd /home/shreya/python3.10/bin; ln -s python3.10-config python3-config)
rm -f /home/shreya/python3.10/lib/pkgconfig/python3.pc
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python3.10.pc python3.pc)
rm -f /home/shreya/python3.10/lib/pkgconfig/python3-embed.pc
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python3.10-embed.pc python3-embed.pc)
rm -f /home/shreya/python3.10/bin/ldle3
(cd /home/shreya/python3.10/bin; ln -s ldle3.10 ldle3)
rm -f /home/shreya/python3.10/bin/pydoc3
(cd /home/shreya/python3.10/bin; ln -s pydoc3.10 pydoc3)
rm -f /home/shreya/python3.10/bin/2to3
(cd /home/shreya/python3.10/bin; ln -s 2to3.3.10 2to3)
if test "x" = "x"; then \
rm -f /home/shreya/python3.10/bin/python3-32; \
(cd /home/shreya/python3.10/bin; ln -s python3.10-32 python3-32) \
fi
if test "x" = "x"; then \
rm -f /home/shreya/python3.10/bin/python3-intel64; \
(cd /home/shreya/python3.10/bin; ln -s python3.10-intel64 python3-intel64) \
fi
rm -f /home/shreya/python3.10/share/man/man1/python3.1
(cd /home/shreya/python3.10/share/man/man1; ln -s python3.10.1 python3.1)
if test "xupgrade" = "xno" ; then \
case upgrade in \
upgrade) ensurepip="--upgrade" ;; \
install) ensurepip="" ;; \
esac; \
./python -E -m ensurepip \
./python --root= ; \
fi
Looking in links: /tmp/tmp39f465u1
Processing /tmp/tmp39f465u1/setuputils-65.5.0-py3-none-any.whl
Processing /tmp/tmp39f465u1/pip-23.0.1-py3-none-any.whl
```

Installed pip



Creating a python environment and installing label-studio

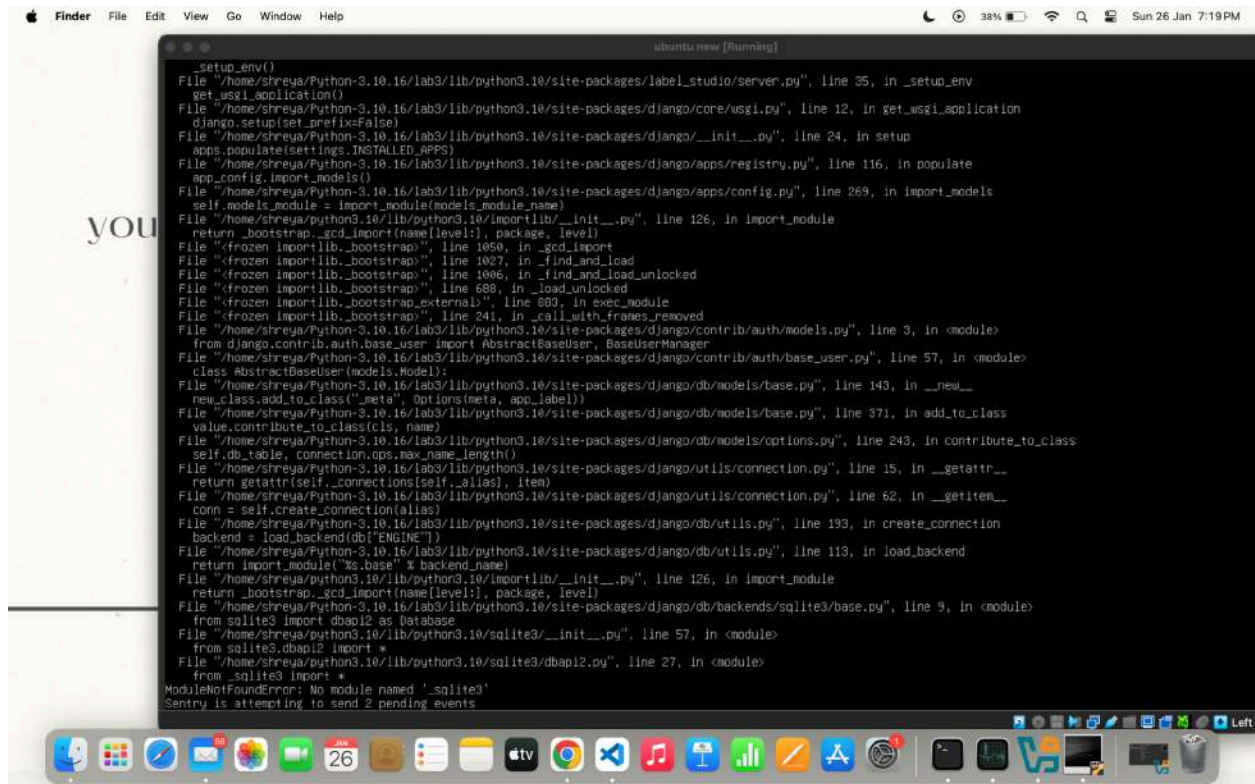



```
Finder  File  Edit  View  Go  Window  Help  39% Sun 26 Jan 7:16 PM

CODE_OF_CONDUCT.md  configure  install.sh  Makefile  Makefile.pre  pybuildid.txt  python-config  python-config.py  python-sdb.py  zlib-1.3.1.tar.gz
config.guess  configure.ac  libtool  Makefile  Makefile.pre  pyconfig.h  pyconfig.h.in  python-sdb.py  zlib-1.3.1.tar.gz
shreya@ubuntu:~/Python-3.10.16$ cd lab3
shreya@ubuntu:~/Python-3.10.16/lab3$ ls
lib64  pyvenv.cfg
shreya@ubuntu:~/Python-3.10.16/lab3$ cd bin
shreya@ubuntu:~/Python-3.10.16/lab3/bin$ ls
activate  activate.csh  activate.fish  Activate.ps1  pip  pip3  pip3.10  python  python3  python3.10
shreya@ubuntu:~/Python-3.10.16/lab3/bin$ cd ..
shreya@ubuntu:~/Python-3.10.16/lab3$ cd ..
shreya@ubuntu:~/Python-3.10.16$ source lab3/bin/activate
(lab3) shreya@ubuntu:~/Python-3.10.16$ pip install label-studio
Collecting label-studio
  Downloading label_studio-1.15.0-py3-none-any.whl (60.6 MB)
    60.6/60.6 MB 3.0 MB/s eta 0:00:00
Collecting django-annoying==0.10.6
  Downloading django_annoying-0.10.6-py2.py3-none-any.whl (9.5 kB)
Collecting Django<4.3.0,>=4.2.13
  Downloading Django-4.2.13-py3-none-any.whl (8.0 MB)
    8.0/8.0 MB 3.3 MB/s eta 0:00:00
Collecting launchdarkly-server-sdk==8.2.1
  Downloading launchdarkly_server_sdk-8.2.1-py3-none-any.whl (171 kB)
    172.0/172.0 kB 10.0 MB/s eta 0:00:00
Collecting pytz<2023.0,>=2022.1
  Downloading pytz-2022.7.1-py2.py3-none-any.whl (499 kB)
    499.4/499.4 kB 5.4 MB/s eta 0:00:00
Collecting requests<2.32.0,>=2.32.3
  Downloading requests-2.32.3-py3-none-any.whl (64 kB)
    64.9/64.9 kB 15.3 MB/s eta 0:00:00
Collecting ordered-set==4.0.2
  Downloading ordered-set-4.0.2.tar.gz (10 kB)
  Preparing metadata (setup.py) ... done
Collecting ujson==3.0.0
  Downloading ujson-5.10.0-cp310-cp310-manylinux_2_17_aarch64.manylinux2014_aarch64.whl (51 kB)
    52.0/52.0 kB 0.4 MB/s eta 0:00:00
Collecting sentry-sdk==2.16.0
  Downloading sentry_sdk-2.20.0-py2.py3-none-any.whl (322 kB)
    322.6/322.6 kB 4.7 MB/s eta 0:00:00
Collecting python-json-logger==2.0.4
  Downloading python_json_logger-2.0.4-py3-none-any.whl (7.0 kB)
Collecting botocore<2.0.0,>=1.31.58
  Downloading botocore-1.36.6-py3-none-any.whl (13.3 MB)
    13.3/13.3 MB 3.0 MB/s eta 0:00:00
Collecting attrs==19.2.0
  Downloading attrs-25.1.0-py3-none-any.whl (63 kB)
    63.2/63.2 kB 23.5 MB/s eta 0:00:00
```

```
Finder  File  Edit  View  Go  Window  Help  38% Sun 26 Jan 7:18 PM

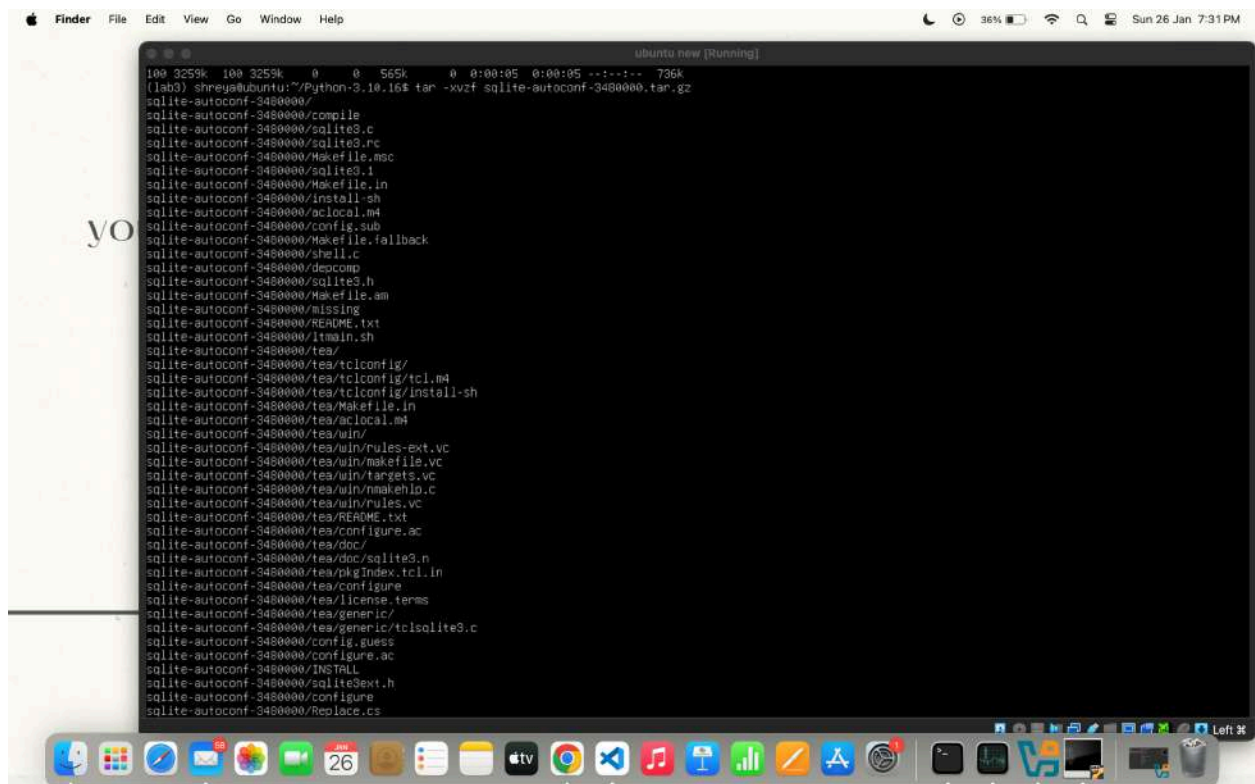
ted, cffi, bleach, black, asgiref, anyio, user-agents, rich, requests-mock, pydantic, pandas, opentelemetry-api, jsonschema-specifications, httpx, grpcio-status, google-cloud-audit-log, google-auth, faker, Django, cryptography, botocore, azure-core, s3transfer, pyboxen, openai, jsonschema, grpc-google-iam-v1, google-ap
i-core, drf-generators, django-rest-framework, django-user-agents, django-storages, django-rq, django-model-utils, django-migration-linter, django-filter, django
-extensions, django-debug-toolbar, django-csp, django-cors-headers, django-anoying, azure-storage-blob, jsf, humansignal-drf-uasg, google-cloud-core, datamodel
-code-generator, boto3, label-studio-sdk, google-cloud-storage, google-cloud-appengine-logging, google-cloud-logging, label-studio
DEPRECATION: drf-flex-fields is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' packag
e is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https
://github.com/pypa/pip/issues/8559
Running setup.py install for drf-flex-fields ... done
DEPRECATION: django-ranged-fileresponse is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wh
eel' package is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be fou
nd at https://github.com/pypa/pip/issues/8559
Running setup.py install for django-ranged-fileresponse ... done
DEPRECATION: attr is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not in
stalled. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.c
om/pypa/pip/issues/8559
Running setup.py install for attr ... done
Attempting to uninstall setuptools
Found existing installation: setuptools 65.5.0
Uninstalling setuptools-65.5.0:
  Successfully uninstalled setuptools-65.5.0
DEPRECATION: ordered-set is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is
not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://g
ithub.com/pypa/pip/issues/8559
Running setup.py install for ordered-set ... done
DEPRECATION: drf-generators is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package
is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https:
//github.com/pypa/pip/issues/8559
Running setup.py install for drf-generators ... done
Successfully installed Django-4.2.13 MarkupSafe-3.0.2 Pillow-11.1.0 annotated-types-0.7.0 anyio-4.8.0 appdirs-1.4.4 argcomplete-3.5.3 asgiref-3.8.1 attr-0.3.1 a
ttrs-25.1.0 azure-core-1.32.0 azure-storage-blob-12.24.1 black-24.10.0 bleach-5.0.1 boto-2.49.0 boto3-1.36.6 botocore-1.36.6 cachetools-5.5.1 certifi-2024.12.14
cffi-1.17.1 charset-normalizer-3.4.1 click-8.1.8 colorama-0.4.6 cryptography-44.0.0 datamodel-code-generator-0.26.1 defusedxml-0.7.1 deprecated-1.2.12 distro-1
3.0 django-annoying-0.10.6 django-cors-headers-3.6.0 django-csp-3.7 django-debug-toolbar-3.2.1 django-environ-0.10.0 django-extensions-3.2.3 django-filter-2.4.
0 django-migration-linter-5.1.0 django-model-utils-4.1.1 django-ranged-fileresponse-0.1.2 django-rq-2.5.1 django-storages-1.12.3 django-user-agents-0.4.0 Django
restframework-3.15.2 dmspython-2.7.0 drf-dynamic-fields-0.3.0 drf-flex-fields-0.9.5 drf-generators-0.3.0 email-validator-2.2.0 exceptiongroup-1.2.2 expiringdict-
1.2.2 faker-35.0.0 gensim-1.3.0 google-api-core-2.24.0 google-auth-2.38.0 google-cloud-appengine-logging-1.5.0 google-cloud-audit-log-0.3.0 google-cloud-core-2
.4.1 google-cloud-logging-3.11.3 google-cloud-storage-2.19.0 google-crc32c-1.6.0 google-resumable-media-2.7.2 googleapis-common-protos-1.66.0 grpc-google-iam-v1
0.14.0 grpcio-1.70.0 grpcio-status-1.70.0 h11-0.14.0 httpcore-1.0.7 httpx-0.28.1 humansignal-drf-uasg-1.21.10 idna-3.10 ljson-3.3.0 importlib-metadata-8.
5.0 inflect-5.6.2 inflection-0.5.1 isodate-0.7.2 isort-5.13.2 Jinja2-3.1.5 Jiter-0.8.2 jmespath-1.0.1 joblib-1.4.2 jsf-0.11.2 jsonschema-4.23.0 jsonschema-speci
fications-2024.9.1 label-studio-1.15.0 label-studio-sdk-1.0.0 launchdarkly-server-sdk-8.2.1 lockfile-0.12.2 lxml-5.3.0 markdown-it-py-3.0.0 mdurl-0.1.2 mpy-ex
tensions-1.0.0 nlk-3.9.1 numpy-1.26.4 openai-1.60.1 opentelemetry-api-1.29.0 ordered-set-4.0.2 packaging-24.2 pandas-2.2.3 pathspec-0.12.1 platformdirs-4.3.6 p
roto-plus-1.25.0 protobuf-5.29.3 psycops2-binary-2.9.10 pyRFC3339-2.0.1 pyasn1-0.6.1 pyasn1-modules-0.4.1 pyboxen-1.3.0 pycparser-2.22 pydantic-2.10.5 pydantic-
core-2.27.2 pygments-2.19.1 python-dateutil-2.9.0.post0 python-json-logger-2.0.4 pytz-2022.7.1 pyyaml-6.0.2 redis-3.5.3 referencing-0.36.2 regex-2024.11.6 requ
sts-2.32.3 requests-mock-1.12.1 rich-13.9.4 rpds-py-0.22.3 rq-1.10.1 rsa-4.9 rstr-3.2.2 rules-3.4 s3transfer-0.11.2 semver-3.0.4 sentry-sdk-2.20.0 setuptools-75
.0.0 six-1.17.0 smart-open-7.1.0 sniffio-1.3.1 sqlparse-0.5.3 tomli-2.2.1 toml-0.10.2 tomli-2.2.1 toml-4.67.1 typing_extensions-4.12.2 tzdata-2025.1 ua-parser-1.0.0 ua-pa
rs-0.18.0 ua-pars-0.18.0 ua-post1 ujson-5.10.0 uritemplate-4.1.1 urllib3-1.26.20 user-agents-2.2.0 webencodings-0.5.1 wheel-0.40.0 uaioat-0.2.1 zion-3.21.0
```



The terminal window displays a series of error messages during the installation of label-studio. The errors are related to the 'sqlite' module, which is required for the application. The messages indicate that the module is not found and that Sentry is attempting to send 2 pending events. The errors are as follows:

```
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/label_studio/server.py", line 35, in _setup_env
get_usgi_application()
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/core/usgi.py", line 12, in get_usgi_application
django.setup(set_prefix=False)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/__init__.py", line 24, in setup
apps.populate(settings.INSTALLED_APPS)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/apps/registry.py", line 116, in populate
app_config.import_models()
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/apps/config.py", line 269, in import_models
self.models_module = import_module(models_module_name)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/importlib/__init__.py", line 126, in import_module
return _bootstrap._gcd_import(name[level:], package, level)
File "<frozen importlib._bootstrap>", line 1050, in _gcd_import
File "<frozen importlib._bootstrap>", line 1027, in _find_and_load
File "<frozen importlib._bootstrap>", line 1006, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 688, in _load_unlocked
File "<frozen importlib._bootstrap_external>", line 688, in exec_module
File "<frozen importlib._bootstrap>", line 241, in _call_with_frames_removed
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/contrib/auth/models.py", line 3, in <module>
from django.contrib.auth.base_user import AbstractBaseUser, BaseUserManager
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/contrib/auth/base_user.py", line 57, in <module>
(class AbstractBaseUser(models.Model):
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/models/base.py", line 143, in _new__
new_class.add_to_class('_meta', Options(meta, app_label))
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/models/base.py", line 371, in add_to_class
value.contribute_to_class(cls, name)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/models/options.py", line 243, in contribute_to_class
self.db_table, connection.ops.max_name_length()
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/utils/connection.py", line 15, in _getattr__
return getattr(self._connections[self._alias], item)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/utils/connection.py", line 62, in _getitem__
conn = self.create_connection(alias)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/utils.py", line 193, in create_connection
backend = load_backend(db['ENGINE'])
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/utils.py", line 113, in load_backend
return import_module('%s.base' % backend_name)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/importlib/__init__.py", line 126, in import_module
return _bootstrap._gcd_import(name[level:], package, level)
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/site-packages/django/db/backends/sqlite3/base.py", line 9, in <module>
from sqlite3 import dbapi2 as Database
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/sqlite3/__init__.py", line 57, in <module>
from sqlite3.dbapi2 import *
File "/home/shreya/Python-3.10.16/lab3/lib/python3.10/sqlite3/dbapi2.py", line 27, in <module>
from _sqlite3 import *
ModuleNotFoundError: No module named 'sqlite3'
Sentry is attempting to send 2 pending events
```

Installing 'sqlite' module, required to install label-studio



The terminal window shows the installation of the 'sqlite' module. The user has run the command 'tar -xvzf sqlite-autoconf-3480000.tar.gz' to extract the source code. The output shows the files and directories created during the installation process, including the 'sqlite3' directory and the 'sqlite3.h' header file. The installation is successful, and the user can now use the 'sqlite' module in their application.

```
100 3259k 100 3259k 0 0 565k 0 0:00:05 0:00:05 --:--:-- 736k
(lab3) shreya@ubuntu:~/Python-3.10.16$ tar -xvzf sqlite-autoconf-3480000.tar.gz
sqlite-autoconf-3480000/compile
sqlite-autoconf-3480000/sqlite3.c
sqlite-autoconf-3480000/sqlite3.rc
sqlite-autoconf-3480000/Makefile.msc
sqlite-autoconf-3480000/sqlite3.1
sqlite-autoconf-3480000/Makefile.in
sqlite-autoconf-3480000/install-sh
sqlite-autoconf-3480000/aclocal.m4
sqlite-autoconf-3480000/config.sub
sqlite-autoconf-3480000/Makefile fallback
sqlite-autoconf-3480000/shell.c
sqlite-autoconf-3480000/depcomp
sqlite-autoconf-3480000/sqlite3.h
sqlite-autoconf-3480000/Makefile.am
sqlite-autoconf-3480000/missing
sqlite-autoconf-3480000/README.txt
sqlite-autoconf-3480000/ltmain.sh
sqlite-autoconf-3480000/tea/
sqlite-autoconf-3480000/tea/tclconfig/
sqlite-autoconf-3480000/tea/tclconfig/tcl.m4
sqlite-autoconf-3480000/tea/tclconfig/install-sh
sqlite-autoconf-3480000/tea/Makefile.in
sqlite-autoconf-3480000/tea/aclocal.m4
sqlite-autoconf-3480000/tea/win/
sqlite-autoconf-3480000/tea/win/rules-ext.vc
sqlite-autoconf-3480000/tea/win/makefile.vc
sqlite-autoconf-3480000/tea/win/targets.vc
sqlite-autoconf-3480000/tea/win/makehlp.c
sqlite-autoconf-3480000/tea/win/rules.vc
sqlite-autoconf-3480000/tea/README.txt
sqlite-autoconf-3480000/tea/configure.ac
sqlite-autoconf-3480000/tea/doc/
sqlite-autoconf-3480000/tea/doc/sqlite3.n
sqlite-autoconf-3480000/tea/pkgIndex.tcl.in
sqlite-autoconf-3480000/tea/configure
sqlite-autoconf-3480000/tea/license.terms
sqlite-autoconf-3480000/tea/generic/
sqlite-autoconf-3480000/tea/generic/tclsqlite3.c
sqlite-autoconf-3480000/config.guess
sqlite-autoconf-3480000/configure.ac
sqlite-autoconf-3480000/INSTALL
sqlite-autoconf-3480000/sqlite3ext.h
sqlite-autoconf-3480000/configure
sqlite-autoconf-3480000/Replace.cs
```



```
yo
checking for dlfcn.h... yes
checking for objdir... libs
checking if gcc supports -fno-rtti -fno-exceptions... no
checking for gcc option to produce PIC... -fPIC -DPIC
checking if gcc PIC flag -fPIC -DPIC works... yes
checking if gcc static flag -static works... yes
checking if gcc supports -c -o file.o... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (User/bin/ld) supports shared libraries... yes
checking dynamic linker characteristics... GNU/Linux ld.so
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for fdatasync... yes
checking for usleep... yes
checking for fullsync... no
checking for localtime_r... yes
checking for gmtime_r... yes
checking for gcc options needed to detect all undeclared functions... none needed
checking whether strerror_r returns char *** no
checking for editline/readline.h... no
checking for readline/readline.h... no
checking for library containing pthread_create... none required
checking for library containing pthread_mutexattr_init... none required
checking for library containing dlopen... none required
checking for whether to support dynamic extensions... yes
checking SQL math functions... enabled
checking for library containing ceil... -lm
checking FTS4 extension... enabled
checking FTS3 extension... disabled
checking FTS5 extension... enabled
checking for library containing log... none required
checking RTREE extension... enabled
checking Session extension... disabled
checking Build type... release
checking for posix.fallocate... yes
checking for zlib.h... yes
checking for library containing deflate... -lz
checking for library containing system... none required
checking that generated files are newer than configure... done
configure: creating ./config.status
config.status: creating sqlite3.pc
```

```
yo
-DSQLITE_ENABLE_DBSTAT_VTAB -g -O2 -MT sqlite3-shell.o -MD -MP -MF .deps/sqlite3-shell.Tpo -c -o sqlite3-shell.o 'test -f 'shell.c' || echo './' shell.c
mv -f .deps/sqlite3-shell.Tpo .deps/sqlite3-shell.Po
gcc -DPACKAGE_NAME='sqlite' -DPACKAGE_TARNAME='sqlite' -DPACKAGE_VERSION='3.48.0' -DPACKAGE_STRING='sqlite 3.48.0' -DPACKAGE_BUGREPORT='http://www.sqlite.org' -DPACKAGE_URL='http://www.sqlite.org' -DPACKAGE='sqlite' -DVERSION='3.48.0' -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_SYS_TYPES_H=1 -DHAVE_UNISTD_H=1 -DSTDC_HEADERS=1 -DHAVE_DLFCN_H=1 -DLT_OBJDIR='libs/' -DHAVE_FORTIFY=1 -DHAVE_USLEEP=1 -DHAVE_LOCALTIME_R=1 -DHAVE_GMTIME_R=1 -DHAVE_DECL_STRERROR_R=1 -DHAVE_STRERROR_R=1 -DHAVE_POSIX_FALLOCATE=1 -DHAVE_ZLIB_H=1 -I./ -I/home/shreya/zlib/include -I/home/shreya/openssl/include -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -DSQLITE_ENABLE_EXPLAIN_COMMENTS -DSQLITE_DQS=0 -DSQLITE_ENABLE_DBPAGE_VTAB -DSQLITE_ENABLE_STMTVTAB -DSQLITE_ENABLE_DBSTAT_VTAB -g -O2 -MT sqlite3-sqlite3.o -MD -MP -MF .deps/sqlite3-sqlite3.Tpo -c -o sqlite3-sqlite3.o 'test -f 'sqlite3.c' || echo './' sqlite3.c
mv -f .deps/sqlite3-sqlite3.Tpo .deps/sqlite3-sqlite3.Po
/bin/bash ./libtool --tag=CC --mode=link gcc -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -DSQLITE_ENABLE_EXPLAIN_COMMENTS -DSQLITE_DQS=0 -DSQLITE_ENABLE_DBPAGE_VTAB -DSQLITE_ENABLE_STMTVTAB -DSQLITE_ENABLE_DBSTAT_VTAB -g -O2 -L/home/shreya/zlib/lib -L/home/shreya/openssl/lib -o sqlite3-sqlite3.o -lz -lm
libtool: link: gcc -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -DSQLITE_ENABLE_EXPLAIN_COMMENTS -DSQLITE_DQS=0 -DSQLITE_ENABLE_DBPAGE_VTAB -DSQLITE_ENABLE_STMTVTAB -DSQLITE_ENABLE_DBSTAT_VTAB -g -O2 -o sqlite3-sqlite3.o -L/home/shreya/zlib/lib -L/home/shreya/openssl/lib -lz -lm
/bin/bash ./libtool --tag=CC --mode=compile gcc -DPACKAGE_NAME='sqlite' -DPACKAGE_TARNAME='sqlite' -DPACKAGE_VERSION='3.48.0' -DPACKAGE_STRING='sqlite 3.48.0' -DPACKAGE_BUGREPORT='http://www.sqlite.org' -DPACKAGE_URL='http://www.sqlite.org' -DPACKAGE='sqlite' -DVERSION='3.48.0' -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_SYS_TYPES_H=1 -DHAVE_UNISTD_H=1 -DSTDC_HEADERS=1 -DHAVE_DLFCN_H=1 -DLT_OBJDIR='libs/' -DHAVE_FORTIFY=1 -DHAVE_USLEEP=1 -DHAVE_LOCALTIME_R=1 -DHAVE_GMTIME_R=1 -DHAVE_DECL_STRERROR_R=1 -DHAVE_STRERROR_R=1 -DHAVE_POSIX_FALLOCATE=1 -DHAVE_ZLIB_H=1 -I./ -I/home/shreya/zlib/include -I/home/shreya/openssl/include -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -g -O2 -MT sqlite3.lo -MD -MP -MF .deps/sqlite3.Tpo -c -o sqlite3.lo sqlite3.c
libtool: compile: gcc -DPACKAGE_NAME='sqlite' -DPACKAGE_TARNAME='sqlite' -DPACKAGE_VERSION='3.48.0' -DPACKAGE_STRING='sqlite 3.48.0' -DPACKAGE_BUGREPORT='http://www.sqlite.org' -DPACKAGE_URL='http://www.sqlite.org' -DPACKAGE='sqlite' -DVERSION='3.48.0' -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_SYS_TYPES_H=1 -DHAVE_UNISTD_H=1 -DSTDC_HEADERS=1 -DHAVE_DLFCN_H=1 -DLT_OBJDIR='libs/' -DHAVE_FORTIFY=1 -DHAVE_USLEEP=1 -DHAVE_LOCALTIME_R=1 -DHAVE_GMTIME_R=1 -DHAVE_DECL_STRERROR_R=1 -DHAVE_STRERROR_R=1 -DHAVE_POSIX_FALLOCATE=1 -DHAVE_ZLIB_H=1 -I./ -I/home/shreya/zlib/include -I/home/shreya/openssl/include -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -g -O2 -MT sqlite3.lo -MD -MP -MF .deps/sqlite3.Tpo -c sqlite3.c -o sqlite3.o /dev/null 2>&1
mv -f .deps/sqlite3.Tpo .deps/sqlite3.Plo
/bin/bash ./libtool --tag=CC --mode=link gcc -D_REENTRANT=1 -DSQLITE_THREADSAFE=1 -DSQLITE_ENABLE_MATH_FUNCTIONS -DSQLITE_ENABLE_FTS4 -DSQLITE_ENABLE_FTS5 -DSQLITE_ENABLE_RTREE -DSQLITE_ENABLE_GEOPOLY -DSQLITE_HAVE_ZLIB -g -O2 -no-undefined -version-info 0:16:18 -L/home/shreya/zlib/lib -L/home/shreya/openssl/lib -o libsqlite3.so -rpath /home/shreya/openssl/lib libsqlite3.lo -lz -lm
libtool: link: gcc -shared -fPIC -DPIC -o libsqlite3.so -L/home/shreya/zlib/lib -L/home/shreya/openssl/lib -lz -lm -g -O2 -Wl,soname=libsqlite3.so.0.8.6
libtool: link: (cd 'libs' && rm -f 'libsqlite3.so.0' && ln -s 'libsqlite3.so.0.8.6' 'libsqlite3.so.0')
libtool: link: (cd 'libs' && rm -f 'libsqlite3.so' && ln -s 'libsqlite3.so.0.8.6' 'libsqlite3.so')
libtool: link: ar cr libs/libsqlite3.a sqlite3.o
```



```
Finder  File  Edit  View  Go  Window  Help  ubuntu new [Running] 27% Sun 26 Jan 8:10 PM

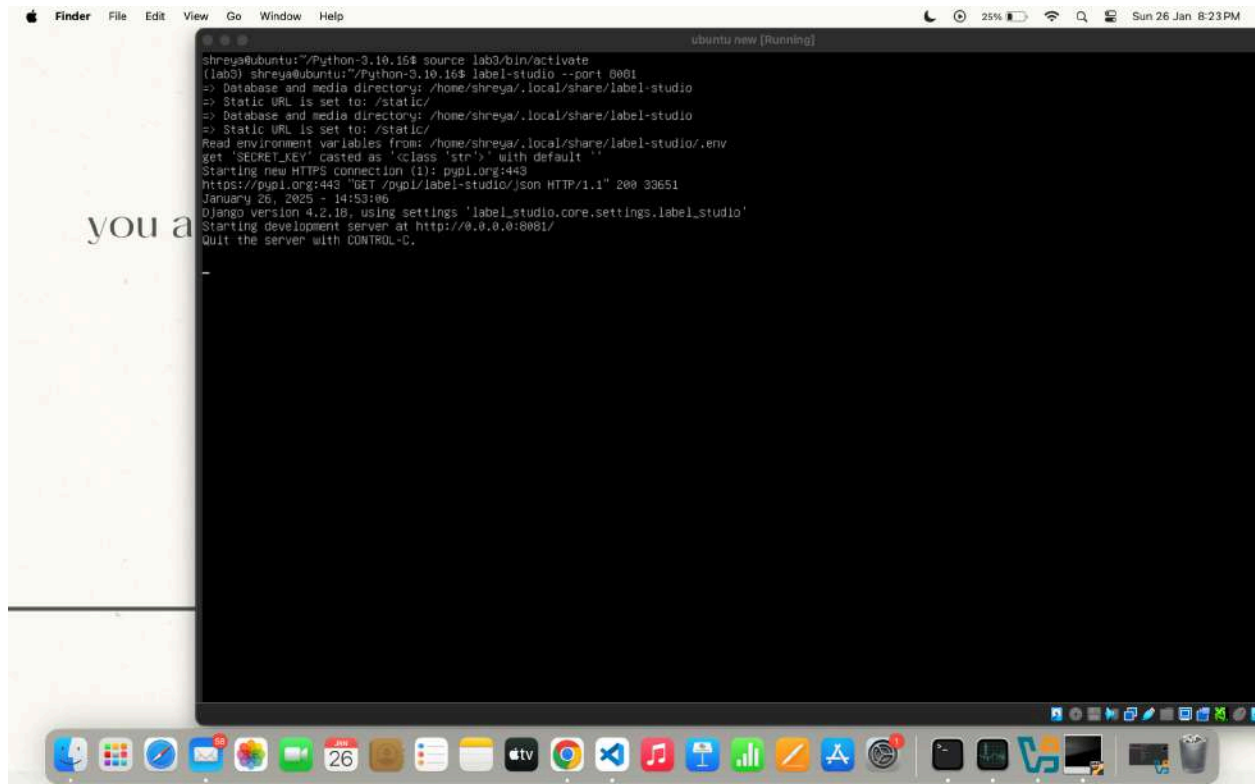
/usr/bin/install -c -m 644 ./../man/ffl1.3 ./../man/ffl1.call1.3 ./../man/ffl1.prep.cif.3 ./../man/ffl1.prep.cif_var.3 /home/shreya/libffi/share/man/3
make[3]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/man
make[2]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/man
Making install in doc
make[2]: Entering directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/doc
make[3]: Entering directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/doc
make[3]: Nothing to be done for 'install-exec-am'.
/usr/bin/mkdir -p /home/shreya/libffi/share/info
/usr/bin/install -c -m 644 ./../doc/libffi.info /home/shreya/libffi/share/info
install-info --info-dir=/home/shreya/libffi/share/info /home/shreya/libffi/share/info/libffi.info
make[3]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/doc
make[2]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu/doc
make[3]: Entering directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu
make[3]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu
/usr/bin/mkdir -p /home/shreya/libffi/lib/./lib
./bin/bash ./libtool --mode=install /usr/bin/install -c libffi.la /home/shreya/libffi/lib/./lib
libtool: install: /usr/bin/install -c .libs/libffi.so.8.1.4 /home/shreya/libffi/lib/./lib/libffi.so.8.1.4
libtool: install: (cd /home/shreya/libffi/lib/./lib && { ln -s -f libffi.so.8.1.4 libffi.so.8 || { rm -f libffi.so.8 && ln -s libffi.so.8.1.4 libffi.so.8; }; })
libtool: install: (cd /home/shreya/libffi/lib/./lib && { ln -s -f libffi.so.8.1.4 libffi.so || { rm -f libffi.so && ln -s libffi.so.8.1.4 libffi.so; }; })
libtool: install: /usr/bin/install -c .libs/libffi.lai /home/shreya/libffi/lib/./lib/libffi.la
libtool: install: chmod 644 /home/shreya/libffi/lib/./lib/libffi.a
libtool: install: chmod 644 /home/shreya/libffi/lib/./lib/libffi.a
libtool: install: ranlib /home/shreya/libffi/lib/./lib/libffi.a
libtool: finish: PATH="/home/shreya/Python-3.10.16/lib3/bin:/home/shreya/python3.10/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/sbin" ldconfig -n /home/shreya/libffi/lib/./lib
-----
Libraries have been installed in:
/home/shreya/libffi/lib/./lib

If you ever happen to want to link against installed libraries
in a given directory, LIBDIR, you must either use libtool, and
specify the full path of the library, or use the '-L' LIBDIR
flag during linking and do at least one of the following:
- add LIBDIR to the 'LD_LIBRARY_PATH' environment variable
  during execution
- add LIBDIR to the 'LD_RUN_PATH' environment variable
  during linking
- use the '-Wl,-rpath -Wl,LIBDIR' linker flag
- have your system administrator add LIBDIR to '/etc/ld.so.conf'

See any operating system documentation about shared libraries for
more information, such as the ld(1) and ld.so(8) manual pages.
-----
/usr/bin/mkdir -p /home/shreya/libffi/lib/pkgconfig
/usr/bin/install -c -m 644 libffi.pc /home/shreya/libffi/lib/pkgconfig
make[3]: Leaving directory /home/shreya/Python-3.10.16/libffi-3.4.6/aarch64-unknown-linux-gnu
```

```
Finder  File  Edit  View  Go  Window  Help  ubuntu new [Running] 25% Sun 26 Jan 8:19 PM

f1
rm -f /home/shreya/python3.10/bin/python3-config
(cd /home/shreya/python3.10/bin; ln -s python3.10-config python3-config)
rm -f /home/shreya/python3.10/lib/pkgconfig/python3.pc
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python-3.10.pc python3.pc)
rm -f /home/shreya/python3.10/lib/pkgconfig/python3-embed.pc
(cd /home/shreya/python3.10/lib/pkgconfig; ln -s python-3.10-embed.pc python3-embed.pc)
rm -f /home/shreya/python3.10/bin/idle3
(cd /home/shreya/python3.10/bin; ln -s idle3.10 idle3)
rm -f /home/shreya/python3.10/bin/pydoc3
(cd /home/shreya/python3.10/bin; ln -s pydoc3.10 pydoc3)
rm -f /home/shreya/python3.10/bin/2to3
(cd /home/shreya/python3.10/bin; ln -s 2to3.3.10 2to3)
if test "x" = "x" ; then \
  rm -f /home/shreya/python3.10/bin/python3-32; \
  (cd /home/shreya/python3.10/bin; ln -s python3.10-32 python3-32) \
fi
f1
if test "x" = "x" ; then \
  rm -f /home/shreya/python3.10/bin/python3-intel64; \
  (cd /home/shreya/python3.10/bin; ln -s python3.10-intel64 python3-intel64) \
fi
rm -f /home/shreya/python3.10/share/man/man1/python3.1
(cd /home/shreya/python3.10/share/man/man1; ln -s python3.10.1 python3.1)
if test "xupgrade" = "xno" ; then \
  case upgrade in \
    upgrade) ensurepip="--upgrade" ;; \
    Install*) ensurepip="" ;; \
    esac; \
    ./python -E -m ensurepip \
    &ensurepip --rootz ; \
fi
Looking in links: /tmp/tmpwum7aorl
Requirement already satisfied: setuptools in /home/shreya/python3.10/lib/python3.10/site-packages (65.5.0)
Requirement already satisfied: pip in /home/shreya/python3.10/lib/python3.10/site-packages (23.0.1)
(lab3) shreya@ubuntu:~/Python-3.10.16$ label-studio --port 8081
=> Database and media directory: /home/shreya/.local/share/label-studio
=> Database and media directory: /home/shreya/.local/share/label-studio
=> Static URL is set to: /static/
Read environment variables from: /home/shreya/.local/share/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
Initializing database..
January 26, 2025 - 14:49:33
Django version 4.2.18, using settings 'label_studio.core.settings.label_studio'
Starting development server at http://0.0.0.0:8081/
```



Successfully Running Label-Studio

