

## CS 203

### Lab 3 – Data Annotations

#### Group 14:

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## TASK 1

```
Ubuntu 24.04.1 LTS pramith tty1
pramith login: pramith
Password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Sun Jan 26 02:52:12 PM UTC 2025

System load:          1.31
Usage of /:            44.4% of 11.21GB
Memory usage:         7%
Swap usage:           0%
Processes:            117
Users logged in:      0
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd00::a00:27ff:fe35:d9a2

Expanded Security Maintenance for Applications is not enabled.

93 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

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

As you can see there is nothing in the history.

```
Ubuntu 24.04.1 LTS pramith tty1
pramith login: pramith
Password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

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pramith@pramith:~$ history -c && history -w
pramith@pramith:~$ history
  1  history
pramith@pramith:~$ sudo apt list | grep -i python3.10
[sudo] password for pramith:

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

pramith@pramith:~$ sudo apt remove python3.10
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package python3.10
E: Couldn't find any package by glob 'python3.10'
pramith@pramith:~$
```

also there is no python3.10 installed

```

pramith login: pramith
Password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-51-generic x86_64)

 * Documentation:  https://help.ubuntu.com
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```

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Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

```

pramith@pramith:~$ history -c && history -w
pramith@pramith:~$ history
 1  history
pramith@pramith:~$ sudo apt list | grep -i python3.10
[sudo] password for pramith:

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

```

```

pramith@pramith:~$ sudo apt remove python3.10
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package python3.10
E: Couldn't find any package by glob 'python3.10'
pramith@pramith:~$ python3.10 --version
Command 'python3.10' not found, did you mean:
  command 'python3.12' from deb python3.12 (3.12.3-1ubuntu0.2)
  command 'python3.11' from deb python3.11 (3.11.7-2)
Try: sudo apt install <deb name>
pramith@pramith:~$

```

the version also says python 3.10

```

Usage of /:           44.4% of 11.21GB
Memory usage:         7%
Swap usage:           0%
Processes:            117
Users logged in:      0
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd00::a00:27ff:fe35:d9a2

```

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To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

```

pramith@pramith:~$ history -c && history -w
pramith@pramith:~$ history
 1  history
pramith@pramith:~$ sudo apt list | grep -i python3.10
[sudo] password for pramith:

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

```

```

pramith@pramith:~$ sudo apt remove python3.10
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package python3.10
E: Couldn't find any package by glob 'python3.10'
pramith@pramith:~$ python3.10 --version
Command 'python3.10' not found, did you mean:
  command 'python3.12' from deb python3.12 (3.12.3-1ubuntu0.2)
  command 'python3.11' from deb python3.11 (3.11.7-2)
Try: sudo apt install <deb name>
pramith@pramith:~$ wget https://www.python.org/ftp/python/3.10.16/Python-3.10.16.tgz
--2025-01-26 14:56:05-- https://www.python.org/ftp/python/3.10.16/Python-3.10.16.tgz
Resolving www.python.org (www.python.org)... 199.232.20.223, 2a04:4e42:42::223
Connecting to www.python.org (www.python.org)|199.232.20.223|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 25942994 (25M) [application/octet-stream]
Saving to: 'Python-3.10.16.tgz'

```

```

Python-3.10.16.tgz      100%[=====] 24.74M  834KB/s  in 33s

```

```

2025-01-26 14:56:39 (763 KB/s) - 'Python-3.10.16.tgz' saved [25942994/25942994]

```

```

pramith@pramith:~$

```

so that python3.10.16.tgz file is installed

```
Python-3.10.16/Tools/stringbench/stringbench.py
Python-3.10.16/Tools/test2to3/
Python-3.10.16/Tools/test2to3/README
Python-3.10.16/Tools/test2to3/maintest.py
Python-3.10.16/Tools/test2to3/setup.py
Python-3.10.16/Tools/test2to3/test/
Python-3.10.16/Tools/test2to3/test/runtests.py
Python-3.10.16/Tools/test2to3/test/test_foo.py
Python-3.10.16/Tools/test2to3/test2to3/
Python-3.10.16/Tools/test2to3/test2to3/__init__.py
Python-3.10.16/Tools/test2to3/test2to3/hello.py
Python-3.10.16/Tools/tz/
Python-3.10.16/Tools/tz/zdump.py
Python-3.10.16/Tools/unicode/
Python-3.10.16/Tools/unicode/Makefile
Python-3.10.16/Tools/unicode/comparecodecs.py
Python-3.10.16/Tools/unicode/genjckcodecs.py
Python-3.10.16/Tools/unicode/gencodec.py
Python-3.10.16/Tools/unicode/genmap_japanese.py
Python-3.10.16/Tools/unicode/genmap_korean.py
Python-3.10.16/Tools/unicode/genmap_schinese.py
Python-3.10.16/Tools/unicode/genmap_support.py
Python-3.10.16/Tools/unicode/genwincodec.py
Python-3.10.16/Tools/unicode/genwincodecs.bat
Python-3.10.16/Tools/unicode/listcodecs.py
Python-3.10.16/Tools/unicode/makeunicodedata.py
Python-3.10.16/Tools/unicode/mkstringprep.py
Python-3.10.16/Tools/unicode/python-mappings/
Python-3.10.16/Tools/unicode/python-mappings/CP1140.TXT
Python-3.10.16/Tools/unicode/python-mappings/CP273.TXT
Python-3.10.16/Tools/unicode/python-mappings/GB2312.TXT
Python-3.10.16/Tools/unicode/python-mappings/KOI8-U.TXT
Python-3.10.16/Tools/unicode/python-mappings/TIS-620.TXT
Python-3.10.16/Tools/unicode/python-mappings/diff/
Python-3.10.16/Tools/unicode/python-mappings/diff/jisx0213-2000-std.txt.diff
Python-3.10.16/Tools/unicode/python-mappings/diff/jisx0213-2004-std.txt.diff
Python-3.10.16/Tools/unicode/python-mappings/gb-18030-2000.xml
Python-3.10.16/Tools/unicode/python-mappings/jisx0213-2004-std.txt
Python-3.10.16/Tools/unittestgui/
Python-3.10.16/Tools/unittestgui/README.txt
Python-3.10.16/Tools/unittestgui/unittestgui.py
Python-3.10.16/aclocal.m4
Python-3.10.16/config.guess
Python-3.10.16/config.sub
Python-3.10.16/configure
Python-3.10.16/configure.ac
Python-3.10.16/install-sh
Python-3.10.16/pyconfig.h.in
Python-3.10.16/setup.py
pramith@pramith:~$
Python-3.10.16/Tools/test2to3/
Python-3.10.16/Tools/test2to3/README
Python-3.10.16/Tools/test2to3/maintest.py
Python-3.10.16/Tools/test2to3/setup.py
Python-3.10.16/Tools/test2to3/test/
Python-3.10.16/Tools/test2to3/test/runtests.py
Python-3.10.16/Tools/test2to3/test/test_foo.py
Python-3.10.16/Tools/test2to3/test2to3/
Python-3.10.16/Tools/test2to3/test2to3/__init__.py
Python-3.10.16/Tools/test2to3/test2to3/hello.py
Python-3.10.16/Tools/tz/
Python-3.10.16/Tools/tz/zdump.py
Python-3.10.16/Tools/unicode/
Python-3.10.16/Tools/unicode/Makefile
Python-3.10.16/Tools/unicode/comparecodecs.py
Python-3.10.16/Tools/unicode/genjckcodecs.py
Python-3.10.16/Tools/unicode/gencodec.py
Python-3.10.16/Tools/unicode/genmap_japanese.py
Python-3.10.16/Tools/unicode/genmap_korean.py
Python-3.10.16/Tools/unicode/genmap_schinese.py
Python-3.10.16/Tools/unicode/genmap_support.py
Python-3.10.16/Tools/unicode/genwincodec.py
Python-3.10.16/Tools/unicode/genwincodecs.bat
Python-3.10.16/Tools/unicode/listcodecs.py
Python-3.10.16/Tools/unicode/makeunicodedata.py
Python-3.10.16/Tools/unicode/mkstringprep.py
Python-3.10.16/Tools/unicode/python-mappings/
Python-3.10.16/Tools/unicode/python-mappings/CP1140.TXT
Python-3.10.16/Tools/unicode/python-mappings/CP273.TXT
Python-3.10.16/Tools/unicode/python-mappings/GB2312.TXT
Python-3.10.16/Tools/unicode/python-mappings/KOI8-U.TXT
Python-3.10.16/Tools/unicode/python-mappings/TIS-620.TXT
Python-3.10.16/Tools/unicode/python-mappings/diff/
Python-3.10.16/Tools/unicode/python-mappings/diff/jisx0213-2000-std.txt.diff
Python-3.10.16/Tools/unicode/python-mappings/diff/jisx0213-2004-std.txt.diff
Python-3.10.16/Tools/unicode/python-mappings/gb-18030-2000.xml
Python-3.10.16/Tools/unicode/python-mappings/jisx0213-2004-std.txt
Python-3.10.16/Tools/unittestgui/
Python-3.10.16/Tools/unittestgui/README.txt
Python-3.10.16/Tools/unittestgui/unittestgui.py
Python-3.10.16/aclocal.m4
Python-3.10.16/config.guess
Python-3.10.16/config.sub
Python-3.10.16/configure
Python-3.10.16/configure.ac
Python-3.10.16/install-sh
Python-3.10.16/pyconfig.h.in
Python-3.10.16/setup.py
pramith@pramith:~$ cd Python-3.10.16
pramith@pramith:~/Python-3.10.16$
```

```

checking for socklen_t... yes
checking for broken mbstowcs... 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 lpa-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 whether OpenSSL provides required APIs... no
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
configure: WARNING: unrecognized options: --enable-optimizations
creating Modules/Setup.local
creating Makefile

```

If you want a release build with all stable optimizations active (PGO, etc),  
please run ./configure --enable-optimizations

pramith@pramith:~/Python-3.10.16\$

```

building '_ctypes' extension
gcc -fPIC -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./Include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/_ctypes.c -o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/_ctypes.o -DPy_BUILD_CORE_MODULE
/home/pramith/Python-3.10.16/Modules/_ctypes/_ctypes.c:107:10: fatal error: ffi.h: No such file or directory

```

```

107 | #include <ffi.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	_uuid	nis
readline	zlib	

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:  
\_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/pramith/Python-3.10.16/Tools/scripts/pydoc3 -> build/scripts-3.10
copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/idle3 -> build/scripts-3.10
copying and adjusting /home/pramith/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 -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./Include -DPy_BUILD_CORE -o Programs/_testembed.o ./Programs/_testembed.c
gcc -Xlinker -export-dynamic -o Programs/_testembed Programs/_testembed.o libpython3.10.a -lcrypt -ldl -lm -lm
sed -e "s,${EXENAME0},usr/local/bin/python3.10," < ./Misc/python-config.in >python-config.py
LC_ALL=C sed -e "s,${EXENAME0},usr/local/bin/python3.10," < ./Misc/python-config.in >python-config.py
pramith@pramith:~/Python-3.10.16$

```

```

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 6, in <module>
  File "/home/pramith/Python-3.10.16/Lib/runpy.py", line 220, in run_module
    mod_name, mod_spec, code = _get_module_details(mod_name)
  File "/home/pramith/Python-3.10.16/Lib/runpy.py", line 146, in _get_module_details
    return _get_module_details(pkg_main_name, error)
  File "/home/pramith/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/pramith/Python-3.10.16/Lib/runpy.py", line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
  File "/home/pramith/Python-3.10.16/Lib/runpy.py", line 86, in _run_code
    exec(code, run_globals)
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__main__.py", line 5, in <module>
    sys.exit(ensurepip._main())
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 287, in _main
    return _bootstrap(
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 203, in _bootstrap
    return _run_pip(*args, *PACKAGE_NAMES], additional_paths)
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 104, in _run_pip
    return subprocess.run(cmd, check=True).returncode
  File "/home/pramith/Python-3.10.16/Lib/subprocess.py", line 526, in run
    raise CalledProcessError(retcode, process.args,
subprocess.CalledProcessError: Command '['/home/pramith/Python-3.10.16/python', '-W', 'ignore::DeprecationWarning', '-c', '\nimport runpy\nimport sys\nsys.path
= [\'/tmp/tmpm79zbptd/setuptools-65.5.0-py3-none-any.whl\', \'/tmp/tmpm79zbptd/pip-23.0.1-py3-none-any.whl\'] + sys.path\nsys.argv[1:] = [\'install\', \'--no-ca
che-dir\', \'--no-index\', \'--find-links\', \'/tmp/tmpm79zbptd\', \'--root\', \'/\', \'--upgrade\', \'setuptools\', \'pip\']\nrunpy.run_module(\'pip\', run_name=
"__main__", alter_sys=True)\n']' returned non-zero exit status 1.
make: *** [Makefile:1290: altinstall] Error 1
pramith@pramith:~/Python-3.10.16$

```

```

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
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zipimport.ZipImportError: can't decompress data; zlib not available

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    return _get_module_details(pkg_main_name, error)
  File "/home/pramith/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/pramith/Python-3.10.16/Lib/runpy.py", line 196, in _run_module_as_main
    return _run_code(code, main_globals, None,
  File "/home/pramith/Python-3.10.16/Lib/runpy.py", line 86, in _run_code
    exec(code, run_globals)
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__main__.py", line 5, in <module>
    sys.exit(ensurepip._main())
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 287, in _main
    return _bootstrap(
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 203, in _bootstrap
    return _run_pip(*args, *PACKAGE_NAMES], additional_paths)
  File "/home/pramith/Python-3.10.16/Lib/ensurepip/__init__.py", line 104, in _run_pip
    return subprocess.run(cmd, check=True).returncode
  File "/home/pramith/Python-3.10.16/Lib/subprocess.py", line 526, in run
    raise CalledProcessError(retcode, process.args,
subprocess.CalledProcessError: Command '['/home/pramith/Python-3.10.16/python', '-W', 'ignore::DeprecationWarning', '-c', '\nimport runpy\nimport sys\nsys.path
= [\'/tmp/tmpm79zbptd/setuptools-65.5.0-py3-none-any.whl\', \'/tmp/tmpm79zbptd/pip-23.0.1-py3-none-any.whl\'] + sys.path\nsys.argv[1:] = [\'install\', \'--no-ca
che-dir\', \'--no-index\', \'--find-links\', \'/tmp/tmpm79zbptd\', \'--root\', \'/\', \'--upgrade\', \'setuptools\', \'pip\']\nrunpy.run_module(\'pip\', run_name=
"__main__", alter_sys=True)\n']' returned non-zero exit status 1.
make: *** [Makefile:1290: altinstall] Error 1
pramith@pramith:~/Python-3.10.16$

```

```

checking for broken mbstowcs... 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 dtype 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... yes
checking whether compiling and linking against OpenSSL works... yes
checking for --with-openssl-rpath...
checking whether OpenSSL provides required APIs... yes
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
configure: WARNING: unrecognized options: --enable-optimizations
creating Modules/Setup.local
creating Makefile

```

If you want a release build with all stable optimizations active (PGO, etc),  
please run ./configure --enable-optimizations

pramith@pramith:~/Python-3.10.16\$

```

ld/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callbacks.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1
-DHAVE_FFI_CLOSURE_ALLOC=1
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializ
ers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/internal -I/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-g
nu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/callproc.c -o build/
d/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callproc.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DH
AVE_FFI_CLOSURE_ALLOC=1
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializ
ers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/internal -I/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-g
nu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/cfield.c -o build/
temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/cfield.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DHAV
E_FFI_CLOSURE_ALLOC=1
gcc -fPIC -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializ
ers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/internal -I/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-g
nu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.c -o build/
temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DH
AVE_FFI_CLOSURE_ALLOC=1
gcc -shared build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/_ctypes.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/
_ctypes/callbacks.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callproc.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16
/Modules/_ctypes/cfield.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -lffi
-ldl -o build/lib.linux-x86_64-3.10/_ctypes.cpython-310-x86_64-linux-gnu.so

```

The necessary bits to build these optional modules were not found:

_bz2	_dbm	_lzma
_sqlite3	_tkinter	_uuid
nis		

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	pwd	time
------	-----	------

running build\_scripts

copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/pydoc3 -> build/scripts-3.10

copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/idle3 -> build/scripts-3.10

copying and adjusting /home/pramith/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

```

gcc -c -Wno-unused-result -Wsign-compare -DNDEBUG -g -fwrapv -O3 -Wall -std=c99 -Wextra -Wno-unused-result -Wno-unused-parameter -Wno-missing-field-initializ
ers -Werror=implicit-function-declaration -fvisibility=hidden -I./Include/internal -I./usr/include -DPy_BUILD_CORE -o Programs/_testembed.o ./Programs/_tes
tembed.c

```

```

gcc -Xlinker -export-dynamic -o Programs/_testembed Programs/_testembed.o libpython3.10.a -lcrypt -ldl -lm -ln

```

```

sed -e 's,0EXENAME0,/usr/local/bin/python3.10," < ./Misc/python-config.in >python-config.py

```

```

LC_ALL=C sed -e 's,\${([A-Za-z0-9_]*\)}\},\${1}\},g' < Misc/python-config.sh >python-config

```

pramith@pramith:~/Python-3.10.16\$

```

changing mode of /usr/local/lib/python3.10/lib-dynload/_bisect.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_struct.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testcapi.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_json.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_md5.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/unicodedata.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_socket.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_codecs_cn.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/binascii.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/fcntl.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_posixsubprocess.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_heapq.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/xxlimited.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/grp.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/audiop.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_/_sysconfigdata__linux_x86_64-linux-gnu.cpython-310.pyc to 644
changing mode of /usr/local/lib/python3.10/lib-dynload/_contextvars.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testmultiphase.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/spwd.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_ to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_ to 755
running install_scripts
copying build/scripts-3.10/pydoc3.10 -> /usr/local/bin
copying build/scripts-3.10/2to3-3.10 -> /usr/local/bin
copying build/scripts-3.10/idle3.10 -> /usr/local/bin
changing mode of /usr/local/bin/pydoc3.10 to 755
changing mode of /usr/local/bin/2to3-3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/_pycache_
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install|*) ensurepip="--altinstall" ;; \
    esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmpuqpvvtlm
Processing /tmp/tmpuqpvvtlm/setuptools-65.5.0-py3-none-any.whl
Processing /tmp/tmpuqpvvtlm/pip-23.0.1-py3-none-any.whl
Installing collected packages: setuptools, pip
Successfully installed pip-23.0.1 setuptools-65.5.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
pramith@pramith:~/Python-3.10.16$

```

```

changing mode of /usr/local/lib/python3.10/lib-dynload/_md5.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/unicodedata.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_socket.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_codecs_cn.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/binascii.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/fcntl.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_posixsubprocess.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_heapq.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/xxlimited.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/grp.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/audiop.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_/_sysconfigdata__linux_x86_64-linux-gnu.cpython-310.pyc to 644
changing mode of /usr/local/lib/python3.10/lib-dynload/_contextvars.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testmultiphase.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/spwd.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_ to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_ to 755
running install_scripts
copying build/scripts-3.10/pydoc3.10 -> /usr/local/bin
copying build/scripts-3.10/2to3-3.10 -> /usr/local/bin
copying build/scripts-3.10/idle3.10 -> /usr/local/bin
changing mode of /usr/local/bin/pydoc3.10 to 755
changing mode of /usr/local/bin/2to3-3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/_pycache_
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install|*) ensurepip="--altinstall" ;; \
    esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmpuqpvvtlm
Processing /tmp/tmpuqpvvtlm/setuptools-65.5.0-py3-none-any.whl
Processing /tmp/tmpuqpvvtlm/pip-23.0.1-py3-none-any.whl
Installing collected packages: setuptools, pip
Successfully installed pip-23.0.1 setuptools-65.5.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
pramith@pramith:~/Python-3.10.16$ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
  % Total    % Received    % Xferd  Average Speed   Time    Time     Time
                                Dload  Upload   Total   Spent    Left   Speed
100 2222k  100 2222k    0     0 2936k      0  0 --:--:-- --:--:-- --:--:-- 2943k
pramith@pramith:~/Python-3.10.16$

```

```

copying build/scripts-3.10/pydoc3.10 -> /usr/local/bin
copying build/scripts-3.10/2to3-3.10 -> /usr/local/bin
copying build/scripts-3.10/idle3.10 -> /usr/local/bin
changing mode of /usr/local/bin/pydoc3.10 to 755
changing mode of /usr/local/bin/2to3-3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/__pycache__
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install|*) ensurepip="--altinstall" ;; \
        esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmpuqpvytlm
Processing /tmp/tmpuqpvytlm/setuptools-65.5.0-py3-none-any.whl
Processing /tmp/tmpuqpvytlm/pip-23.0.1-py3-none-any.whl
Installing collected packages: setuptools, pip
Successfully installed pip-23.0.1 setuptools-65.5.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
pramith@pramith:~/Python-3.10.16$ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 2222k 100 2222k    0     0 2936k    0 --:--:-- --:--:-- --:--:-- 2943k
pramith@pramith:~/Python-3.10.16$ python3.10 get-pip.py
Defaulting to user installation because normal site-packages is not writeable
Collecting pip
  Downloading pip-25.0-py3-none-any.whl.metadata (3.7 kB)
Collecting wheel
  Downloading wheel-0.45.1-py3-none-any.whl.metadata (2.3 kB)
Downloading pip-25.0-py3-none-any.whl (1.8 MB)
       1.8/1.8 MB 3.7 MB/s eta 0:00:00
Downloading wheel-0.45.1-py3-none-any.whl (72 kB)
Installing collected packages: wheel, pip
WARNING: The script wheel is installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pip, pip3 and pip3.10 are installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed pip-25.0 wheel-0.45.1

[notice] A new release of pip is available: 23.0.1 -> 25.0
[notice] To update, run: pip3.10 install --upgrade pip
pramith@pramith:~/Python-3.10.16$ _

```

```

changing mode of /usr/local/bin/2to3-3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/__pycache__
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install|*) ensurepip="--altinstall" ;; \
        esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmpuqpvytlm
Processing /tmp/tmpuqpvytlm/setuptools-65.5.0-py3-none-any.whl
Processing /tmp/tmpuqpvytlm/pip-23.0.1-py3-none-any.whl
Installing collected packages: setuptools, pip
Successfully installed pip-23.0.1 setuptools-65.5.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
pramith@pramith:~/Python-3.10.16$ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 2222k 100 2222k    0     0 2936k    0 --:--:-- --:--:-- --:--:-- 2943k
pramith@pramith:~/Python-3.10.16$ python3.10 get-pip.py
Defaulting to user installation because normal site-packages is not writeable
Collecting pip
  Downloading pip-25.0-py3-none-any.whl.metadata (3.7 kB)
Collecting wheel
  Downloading wheel-0.45.1-py3-none-any.whl.metadata (2.3 kB)
Downloading pip-25.0-py3-none-any.whl (1.8 MB)
       1.8/1.8 MB 3.7 MB/s eta 0:00:00
Downloading wheel-0.45.1-py3-none-any.whl (72 kB)
Installing collected packages: wheel, pip
WARNING: The script wheel is installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pip, pip3 and pip3.10 are installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed pip-25.0 wheel-0.45.1

[notice] A new release of pip is available: 23.0.1 -> 25.0
[notice] To update, run: pip3.10 install --upgrade pip
pramith@pramith:~/Python-3.10.16$ mkdir ~/CS203-Lab3
pramith@pramith:~/Python-3.10.16$ cd CS203-Lab3
-bash: cd: CS203-Lab3: No such file or directory
pramith@pramith:~/Python-3.10.16$ cd ~/CS203-Lab3
pramith@pramith:~/CS203-Lab3$ _

```



```
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/_pycache__
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install|*) ensurepip="--altinstall" ;; \
        esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/; \
fi
Looking in links: /tmp/tmpuqpvytlm
Processing /tmp/tmpuqpvytlm/setuptools-65.5.0-py3-none-any.whl
Processing /tmp/tmpuqpvytlm/pip-23.0.1-py3-none-any.whl
Installing collected packages: setuptools, pip
Successfully installed pip-23.0.1 setuptools-65.5.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ python3.10 --version
Python 3.10.16
pramith@pramith:~/Python-3.10.16$ curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 2222k  100 2222k    0     0 2936k      0 --:--:-- --:--:-- --:--:-- 2943k
pramith@pramith:~/Python-3.10.16$ python3.10 get-pip.py
Defaulting to user installation because normal site-packages is not writeable
Collecting pip
  Downloading pip-25.0-py3-none-any.whl.metadata (3.7 kB)
Collecting wheel
  Downloading wheel-0.45.1-py3-none-any.whl.metadata (2.3 kB)
Downloading pip-25.0-py3-none-any.whl (1.8 MB)
1.8/1.8 MB 3.7 MB/s eta 0:00:00
Downloading wheel-0.45.1-py3-none-any.whl (72 kB)
Installing collected packages: wheel, pip
WARNING: The script wheel is installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pip, pip3 and pip3.10 are installed in '/home/pramith/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed pip-25.0 wheel-0.45.1

[notice] A new release of pip is available: 23.0.1 -> 25.0
[notice] To update, run: pip3.10 install --upgrade pip
pramith@pramith:~/Python-3.10.16$ mkdir ~/CS203-Lab3
pramith@pramith:~/Python-3.10.16$ cd CS203-Lab3
-bash: cd: CS203-Lab3: No such file or directory
pramith@pramith:~/Python-3.10.16$ cd ~/CS203-Lab3
pramith@pramith:~/CS203-Lab3$ python3.10 -m venv myenv
pramith@pramith:~/CS203-Lab3$ source myenv/bin/activate
(myenv) pramith@pramith:~/CS203-Lab3$ -
```

```
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 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 attr ... done
Attempting 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://github.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-4.2.18 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 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-1.2.17 distro-1.9.0 django-anoying-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 dnspython-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 genson-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 humsignal-drf-uasg-1.21.10 idna-3.10 importlib-metadata-8.5.0 inflect-5.6.2 inflection-0.5.1 isodate-0.7.2 isort-5.13.2 jinja2-3.15.1 jiter-0.8.2 jmespath-1.0.1 joblib-1.4.2 jsf-0.11.2 jsonschema-4.23.0 jsonschema-specifications-2024.10.1 label-studio-1.15.0 label-studio-sdk-1.0.8 launchdarkly-server-sdk-0.2.1 lockfile-0.12.2 lxml-5.3.0 markdown-it-py-3.0.0 mdurl-0.1.2 mpy-ex-tensions-1.0.0 nltk-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 proto-plus-1.25.0 protobuf-5.29.3 psycogp2-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-2.10.6 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 requests-2.32.3 requests-mock-1.12.1 rich-13.9.4 rpsd-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-75.8.0 six-1.17.0 smart-open-7.1.0 sniffio-1.3.1 sqlparse-0.5.3 toml-0.10.2 toml-2.2.1 toml-2.2.1 toml-4.67.1 typing_extensions-4.12.2 tzdata-2025.1 ua-parser-1.0.0 ua-parser-builtins-0.18.0.post1 ujson-5.10.0 uniprtemplate-4.1.1 unrllib3-1.26.20 user-agents-2.2.0 webencodings-0.5.1 wheel-0.40.0 wrapt-1.17.2 xmljson-0.2.1 zipp-3.21.0

[notice] A new release of pip is available: 23.0.1 -> 25.0
[notice] To update, run: pip install --upgrade pip
(myenv) pramith@pramith:~/CS203-Lab3$ pip install --upgrade pip
Requirement already satisfied: pip in ./myenv/lib/python3.10/site-packages (23.0.1)
Collecting pip
  Downloading pip-25.0-py3-none-any.whl (1.8 MB)
    1.8/1.8 MB 3.4 MB/s eta 0:00:00
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 23.0.1
    Uninstalling pip-23.0.1:
      Successfully uninstalled pip-23.0.1
Successfully installed pip-25.0
(myenv) pramith@pramith:~/CS203-Lab3$
```

```
) (0.14.0)
Requirement already satisfied: faker>=15.3.4 in ./myenv/lib/python3.10/site-packages (from jsf<0.12.0,>=0.11.2->label-studio-sdk==1.0.8->label-studio) (35.0.0)
Requirement already satisfied: rstr>=3.2.0 in ./myenv/lib/python3.10/site-packages (from jsf<0.12.0,>=0.11.2->label-studio-sdk==1.0.8->label-studio) (3.2.2)
Requirement already satisfied: smart-open>=6.3.0 in ./myenv/lib/python3.10/site-packages (from smart-open[http]>=6.3.0->jsf<0.12.0,>=0.11.2->label-studio-sdk==1.0.8->label-studio) (7.1.0)
Requirement already satisfied: jsonschema-specifications>=2023.03.6 in ./myenv/lib/python3.10/site-packages (from jsonschema>=4.23.0->label-studio-sdk==1.0.8->label-studio) (2024.10.1)
Requirement already satisfied: referencing>=0.28.4 in ./myenv/lib/python3.10/site-packages (from jsonschema>=4.23.0->label-studio-sdk==1.0.8->label-studio) (0.36.2)
Requirement already satisfied: rpsd-py>=0.7.1 in ./myenv/lib/python3.10/site-packages (from jsonschema>=4.23.0->label-studio-sdk==1.0.8->label-studio) (0.22.3)
Requirement already satisfied: joblib in ./myenv/lib/python3.10/site-packages (from nltk<4.0.0,>=3.9.1->label-studio-sdk==1.0.8->label-studio) (1.4.2)
Requirement already satisfied: regex>=2021.8.3 in ./myenv/lib/python3.10/site-packages (from nltk<4.0.0,>=3.9.1->label-studio-sdk==1.0.8->label-studio) (2024.11.6)
Requirement already satisfied: deprecated>=1.2.6 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api>=1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (1.2.17)
Requirement already satisfied: importlib-metadata<8.5.0,>=6.0 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api>=1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (8.5.0)
Requirement already satisfied: markdown-it-py>=2.2.0 in ./myenv/lib/python3.10/site-packages (from rich>=12.5.1->pyboxen>=1.3.0->label-studio) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in ./myenv/lib/python3.10/site-packages (from rich>=12.5.1->pyboxen>=1.3.0->label-studio) (2.19.1)
Requirement already satisfied: ua-parser>=0.10.0 in ./myenv/lib/python3.10/site-packages (from user-agents>django-user-agents==0.4.0->label-studio) (1.0.0)
Requirement already satisfied: mpy-ex-tensions>=0.4.3 in ./myenv/lib/python3.10/site-packages (from user-agents>django-user-agents==0.4.0->label-studio) (0.1.2)
Requirement already satisfied: pathspec>=0.9.0 in ./myenv/lib/python3.10/site-packages (from black>=19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (0.12.1)
Requirement already satisfied: platformdirs>=2 in ./myenv/lib/python3.10/site-packages (from black>=19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (4.3.6)
Requirement already satisfied: toml-1.1.0 in ./myenv/lib/python3.10/site-packages (from black>=19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.1)
Requirement already satisfied: pycparser in ./myenv/lib/python3.10/site-packages (from cffi>=1.12->cryptography>=2.1.4->azure-storage-blob>=12.6.0->label-studio) (2.22)
Requirement already satisfied: wrapt<2,>=1.10 in ./myenv/lib/python3.10/site-packages (from deprecated>=1.2.6->opentelemetry-api>=1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (1.17.2)
Requirement already satisfied: zipp>=3.20 in ./myenv/lib/python3.10/site-packages (from importlib-metadata<8.5.0,>=6.0->opentelemetry-api>=1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (3.21.0)
Requirement already satisfied: MarkupSafe>=2.0 in ./myenv/lib/python3.10/site-packages (from jinja2<4.0,>=2.10.1->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (3.0.2)
Requirement already satisfied: mdurl<=0.1 in ./myenv/lib/python3.10/site-packages (from markdown-it-py>=2.2.0->rich>=12.5.1->pyboxen>=1.3.0->label-studio) (0.1.2)
Requirement already satisfied: pyasn1<0.7.0,>=0.4.6 in ./myenv/lib/python3.10/site-packages (from pyasn1-modules>=0.2.1->google-auth!=2.24.0,!>2.25.0,<3.0.0dev,>=2.14.1->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (0.6.1)
Requirement already satisfied: email-validator>=2.0.0 in ./myenv/lib/python3.10/site-packages (from pydantic[email]>=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.0)
Requirement already satisfied: ua-parser-builtins in ./myenv/lib/python3.10/site-packages (from ua-parser>=0.10.0->user-agents>django-user-agents==0.4.0->label-studio) (0.18.0.post1)
Requirement already satisfied: dnspython>=2.0.0 in ./myenv/lib/python3.10/site-packages (from email-validator>=2.0.0->pydantic[email]>=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.7.0)
Downloading lxml_html_clean-0.4.1-py3-none-any.whl (14 kB)
Installing collected packages: lxml_html_clean
Successfully installed lxml_html_clean-0.4.1
(myenv) pramith@pramith:~/CS203-Lab3$
```

```

File "/home/pramith/CS203-Lab3/myenv/bin/label-studio", line 8, in <module>
    sys.exit(main())
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/label_studio/server.py", line 296, in main
    _setup_env()
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/label_studio/server.py", line 35, in _setup_env
    get_wsgi_application()
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/core/wsgi.py", line 12, in get_wsgi_application
    django.setup(set_prefix=False)
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/__init__.py", line 24, in setup
    apps.populate(settings.INSTALLED_APPS)
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/apps/registry.py", line 116, in populate
    app_config.import_models()
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/apps/config.py", line 269, in import_models
    self.models_module = import_module(models_module_name)
File "/usr/local/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 883, in exec_module
File "<frozen importlib._bootstrap>", line 241, in _call_with_frames_removed
File "/home/pramith/CS203-Lab3/myenv/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/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/contrib/auth/base_user.py", line 57, in <module>
    class AbstractBaseUser(models.Model):
File "/home/pramith/CS203-Lab3/myenv/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/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/db/models/base.py", line 371, in add_to_class
    value.contribute_to_class(cls, name)
File "/home/pramith/CS203-Lab3/myenv/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/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/utils/connection.py", line 15, in __getattr__
    return getattr(self._connections[self._alias], item)
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/utils/connection.py", line 62, in __getitem__
    conn = self.create_connection(alias)
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/db/utils.py", line 193, in create_connection
    backend = load_backend(db["ENGINE"])
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/db/utils.py", line 113, in load_backend
    return import_module("%s.base" % backend_name)
File "/usr/local/lib/python3.10/importlib/__init__.py", line 126, in import_module
    return _bootstrap._gcd_import(name[level:], package, level)
File "/home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages/django/db/backends/sqlite3/base.py", line 9, in <module>
    from sqlite3 import dbapi2 as Database
File "/usr/local/lib/python3.10/sqlite3/__init__.py", line 57, in <module>
    from sqlite3.dbapi2 import *
File "/usr/local/lib/python3.10/sqlite3/dbapi2.py", line 27, in <module>
    from _sqlite3 import *
ModuleNotFoundError: No module named '_sqlite3'
(myenv) pramith@pramith:~/CS203-Lab3$

```

```

    from sqlite3 import dbapi2 as Database
File "/usr/local/lib/python3.10/sqlite3/__init__.py", line 57, in <module>
    from sqlite3.dbapi2 import *
File "/usr/local/lib/python3.10/sqlite3/dbapi2.py", line 27, in <module>
    from _sqlite3 import *
ModuleNotFoundError: No module named '_sqlite3'
(myenv) pramith@pramith:~/CS203-Lab3$ sudo apt-get update
[sudo] password for pramith:
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
(myenv) pramith@pramith:~/CS203-Lab3$ sudo apt-get install sqlite3 libsqlite3-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  sqlite3-doc
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 89 not upgraded.
Need to get 1,055 kB of archives.
After this operation, 3,983 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libsqlite3-dev amd64 3.45.1-1ubuntu2 [911 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/main amd64 sqlite3 amd64 3.45.1-1ubuntu2 [144 kB]
Fetched 1,055 kB in 3s (322 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 83642 files and directories currently installed.)
Preparing to unpack .../libsqlite3-dev_3.45.1-1ubuntu2_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Selecting previously unselected package sqlite3.
Preparing to unpack .../sqlite3_3.45.1-1ubuntu2_amd64.deb ...
Unpacking sqlite3 (3.45.1-1ubuntu2) ...
Setting up libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Setting up sqlite3 (3.45.1-1ubuntu2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
(myenv) pramith@pramith:~/CS203-Lab3$

```

```

File "/usr/local/lib/python3.10/sqlite3/__init__.py", line 57, in <module>
    from sqlite3.dbapi2 import *
File "/usr/local/lib/python3.10/sqlite3/dbapi2.py", line 27, in <module>
    from _sqlite3 import *
ModuleNotFoundError: No module named '_sqlite3'
(myenv) pramith@pramith:~/CS203-Lab3$ sudo apt-get update
[sudo] password for pramith:
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
(myenv) pramith@pramith:~/CS203-Lab3$ sudo apt-get install sqlite3 libsqlite3-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  sqlite3-doc
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 89 not upgraded.
Need to get 1,055 kB of archives.
After this operation, 3,983 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libsqlite3-dev amd64 3.45.1-1ubuntu2 [911 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/main amd64 sqlite3 amd64 3.45.1-1ubuntu2 [144 kB]
Fetched 1,055 kB in 3s (322 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 83642 files and directories currently installed.)
Preparing to unpack .../libsqlite3-dev_3.45.1-1ubuntu2_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Selecting previously unselected package sqlite3.
Preparing to unpack .../sqlite3_3.45.1-1ubuntu2_amd64.deb ...
Unpacking sqlite3 (3.45.1-1ubuntu2) ...
Setting up libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Setting up sqlite3 (3.45.1-1ubuntu2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
(myenv) pramith@pramith:~/CS203-Lab3$ deactivate
pramith@pramith:~/CS203-Lab3$

```

```

[sudo] password for pramith:
Hit:1 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
(myenv) pramith@pramith:~/CS203-Lab3$ sudo apt-get install sqlite3 libsqlite3-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  sqlite3-doc
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 89 not upgraded.
Need to get 1,055 kB of archives.
After this operation, 3,983 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libsqlite3-dev amd64 3.45.1-1ubuntu2 [911 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/main amd64 sqlite3 amd64 3.45.1-1ubuntu2 [144 kB]
Fetched 1,055 kB in 3s (322 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 83642 files and directories currently installed.)
Preparing to unpack .../libsqlite3-dev_3.45.1-1ubuntu2_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Selecting previously unselected package sqlite3.
Preparing to unpack .../sqlite3_3.45.1-1ubuntu2_amd64.deb ...
Unpacking sqlite3 (3.45.1-1ubuntu2) ...
Setting up libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Setting up sqlite3 (3.45.1-1ubuntu2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
(myenv) pramith@pramith:~/CS203-Lab3$ deactivate
pramith@pramith:~/CS203-Lab3$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
pramith@pramith:~/CS203-Lab3$

```

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  sqlite3-doc
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 89 not upgraded.
Need to get 1,055 kB of archives.
After this operation, 3,983 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libsqlite3-dev amd64 3.45.1-1ubuntu2 [911 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/main amd64 sqlite3 amd64 3.45.1-1ubuntu2 [144 kB]
Fetched 1,055 kB in 3s (322 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 83642 files and directories currently installed.)
Preparing to unpack .../libsqlite3-dev_3.45.1-1ubuntu2_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Selecting previously unselected package sqlite3.
Preparing to unpack .../sqlite3_3.45.1-1ubuntu2_amd64.deb ...
Unpacking sqlite3 (3.45.1-1ubuntu2) ...
Setting up libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Setting up sqlite3 (3.45.1-1ubuntu2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...
```

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

```
(myenv) pramith@pramith:~/CS203-Lab3$ deactivate
pramith@pramith:~/CS203-Lab3$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
pramith@pramith:~/CS203-Lab3$ sudo apt-get install sqlite3 libsqlite3-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
sqlite3 is already the newest version (3.45.1-1ubuntu2).
libsqlite3-dev is already the newest version (3.45.1-1ubuntu2).
0 upgraded, 0 newly installed, 0 to remove and 89 not upgraded.
pramith@pramith:~/CS203-Lab3$
```

```
The following NEW packages will be installed:
  libsqlite3-dev sqlite3
0 upgraded, 2 newly installed, 0 to remove and 89 not upgraded.
Need to get 1,055 kB of archives.
After this operation, 3,983 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libsqlite3-dev amd64 3.45.1-1ubuntu2 [911 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/main amd64 sqlite3 amd64 3.45.1-1ubuntu2 [144 kB]
Fetched 1,055 kB in 3s (322 kB/s)
Selecting previously unselected package libsqlite3-dev:amd64.
(Reading database ... 83642 files and directories currently installed.)
Preparing to unpack .../libsqlite3-dev_3.45.1-1ubuntu2_amd64.deb ...
Unpacking libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Selecting previously unselected package sqlite3.
Preparing to unpack .../sqlite3_3.45.1-1ubuntu2_amd64.deb ...
Unpacking sqlite3 (3.45.1-1ubuntu2) ...
Setting up libsqlite3-dev:amd64 (3.45.1-1ubuntu2) ...
Setting up sqlite3 (3.45.1-1ubuntu2) ...
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...
```

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

```
(myenv) pramith@pramith:~/CS203-Lab3$ deactivate
pramith@pramith:~/CS203-Lab3$ sudo apt-get update
Hit:1 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
pramith@pramith:~/CS203-Lab3$ sudo apt-get install sqlite3 libsqlite3-dev
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
sqlite3 is already the newest version (3.45.1-1ubuntu2).
libsqlite3-dev is already the newest version (3.45.1-1ubuntu2).
0 upgraded, 0 newly installed, 0 to remove and 89 not upgraded.
pramith@pramith:~/CS203-Lab3$ cd ~/Python-3.10.16
-bash: cd: ~/Python-3.10.16: No such file or directory
pramith@pramith:~/CS203-Lab3$ cd ~/Python3.10.16
-bash: cd: /home/pramith/Python3.10.16: No such file or directory
pramith@pramith:~/CS203-Lab3$ cd ~/Python-3.10.16
pramith@pramith:~/Python-3.10.16$
```

```

nu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/callbacks.c -o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callbacks.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DHAVE_FFI_CLOSURE_ALLLOC=1
gcc -fPIC -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/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/callproc.c -o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callproc.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DHAVE_FFI_CLOSURE_ALLLOC=1
gcc -fPIC -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/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/cfield.c -o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/cfield.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DHAVE_FFI_CLOSURE_ALLLOC=1
gcc -fPIC -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/usr/include/x86_64-linux-gnu -I./Include -I./usr/include/x86_64-linux-gnu -I/usr/local/include -I/home/pramith/Python-3.10.16/Include -I/home/pramith/Python-3.10.16 -c /home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.c -o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.o -DPy_BUILD_CORE_MODULE -DHAVE_FFI_PREP_CIF_VAR=1 -DHAVE_FFI_PREP_CLOSURE_LOC=1 -DHAVE_FFI_CLOSURE_ALLLOC=1
gcc -shared build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/_ctypes.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callbacks.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/callproc.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/cfield.o build/temp.linux-x86_64-3.10/home/pramith/Python-3.10.16/Modules/_ctypes/stgdict.o -L/usr/lib/x86_64-linux-gnu -L/usr/local/lib -lffi -ldl -o build/lib.linux-x86_64-3.10/_ctypes.cpython-310-x86_64-linux-gnu.so

```

The necessary bits to build these optional modules were not found:

_bz2	_dbm	_lzma
_tkinter	_uuid	nis

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	pudb	time
------	------	------

running build\_scripts

copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/pydoc3 -> build/scripts-3.10

copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/idle3 -> build/scripts-3.10

copying and adjusting /home/pramith/Python-3.10.16/Tools/scripts/2to3 -> build/scripts-3.10

changing mode of build/scripts-3.10/pydoc3 from 664 to 755

changing mode of build/scripts-3.10/idle3 from 664 to 755

changing mode of build/scripts-3.10/2to3 from 664 to 755

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

```

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./usr/include -I./usr/local/include -DPy_BUILD_CORE -o Programs/_testembed.o ./Programs/_testembed.c
gcc -Xlinker -export-dynamic -o Programs/_testembed Programs/_testembed.o libpython3.10.a -lcrypt -ldl -lm -lm
sed -e 's,${EXENAME0},usr/local/bin/python3.10,' < ./Misc/python-config.in > python-config.py
LC_ALL=C sed -e 's,${A-Za-z0-9_}\*,\${1}\*,g' < Misc/python-config.sh > python-config
pramith@pramith:~/Python-3.10.16$

```

```

changing mode of /usr/local/lib/python3.10/lib-dynload/_zoneinfo.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/resource.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_statistics.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_codecs_tw.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_bisect.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_struct.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testcapi.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_json.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_md5.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_unicodedata.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_socket.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_codecs_cn.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/binascii.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_fcntl.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_posixsubprocess.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_heapq.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_xxlimited.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/grp.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/audiopack.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache__/_sysconfigdata__linux_x86_64-linux-gnu.cpython-310.pyc to 644
changing mode of /usr/local/lib/python3.10/lib-dynload/_contextvars.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testmultiphase.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_spwd.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_ to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache__ to 755
running install_scripts
copying build/scripts-3.10/pydoc3.10 -> /usr/local/bin
copying build/scripts-3.10/2to3.10 -> /usr/local/bin
copying build/scripts-3.10/idle3.10 -> /usr/local/bin
changing mode of /usr/local/bin/pydoc3.10 to 755
changing mode of /usr/local/bin/2to3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/_pycache__
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install*) ensurepip="--altinstall" ;; \
        esac; \
    ./python -E -m ensurepip \
        $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmp989w0910
Requirement already satisfied: setuptools in /usr/local/lib/python3.10/site-packages (65.5.0)
Requirement already satisfied: pip in /usr/local/lib/python3.10/site-packages (23.0.1)
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$

```

```
changing mode of /usr/local/lib/python3.10/lib-dynload/_bisect.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_struct.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testcapi.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_json.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_md5.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/unicodedata.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_socket.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_codecs_cn.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/binascii.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/fcntl.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_posixsubprocess.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_heapq.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/xllimited.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/grp.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/audiopq.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_/_sysconfigdata__linux_x86_64-linux-gnu.cpython-310.pyc to 644
changing mode of /usr/local/lib/python3.10/lib-dynload/_contextvars.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_testmultiphase.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/spwd.cpython-310-x86_64-linux-gnu.so to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_ to 755
changing mode of /usr/local/lib/python3.10/lib-dynload/_pycache_ to 755
running install_scripts
copying build/scripts-3.10/pydoc3.10 -> /usr/local/bin
copying build/scripts-3.10/2to3-3.10 -> /usr/local/bin
copying build/scripts-3.10/idle3.10 -> /usr/local/bin
changing mode of /usr/local/bin/pydoc3.10 to 755
changing mode of /usr/local/bin/2to3-3.10 to 755
changing mode of /usr/local/bin/idle3.10 to 755
rm /usr/local/lib/python3.10/lib-dynload/_sysconfigdata__linux_x86_64-linux-gnu.py
rm -r /usr/local/lib/python3.10/lib-dynload/_pycache_
/usr/bin/install -c -m 644 ./Misc/python.man \
    /usr/local/share/man/man1/python3.10.1
if test "xupgrade" != "xno" ; then \
    case upgrade in \
        upgrade) ensurepip="--altinstall --upgrade" ;; \
        install*) ensurepip="--altinstall" ;; \
        esac; \
        ./python -E -m ensurepip \
            $ensurepip --root=/ ; \
fi
Looking in links: /tmp/tmp989w0910
Requirement already satisfied: setuptools in /usr/local/lib/python3.10/site-packages (65.5.0)
Requirement already satisfied: pip in /usr/local/lib/python3.10/site-packages (23.0.1)
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a v
irtual environment instead: https://pip.pypa.io/warnings/venv
pramith@pramith:~/Python-3.10.16$ source myenv/bin/activate
-bash: myenv/bin/activate: No such file or directory
pramith@pramith:~/Python-3.10.16$ cd ~/CS203-Lab3
pramith@pramith:~/CS203-Lab3$ source myenv/bin/activate
(myenv) pramith@pramith:~/CS203-Lab3$
```

```
<4.0.0,>=3.10.0->label-studio) (4.9)
Requirement already satisfied: httplib2<1.0.0, >=0.12.0 in ./myenv/lib/python3.10/site-packages (from httpx==0.21.2->label-studio-sdk==1.0.8->label-studio) (1.0.7)
Requirement already satisfied: h11<0.15.0, >=0.13 in ./myenv/lib/python3.10/site-packages (from httpx==0.21.2->label-studio-sdk==1.0.8->label-studio) (0.14.0)
Requirement already satisfied: faker==15.3.4 in ./myenv/lib/python3.10/site-packages (from jsf<0.12.0, >=0.11.2->label-studio-sdk==1.0.8->label-studio) (35.0.0)
Requirement already satisfied: rstr==3.2.0 in ./myenv/lib/python3.10/site-packages (from jsf<0.12.0, >=0.11.2->label-studio-sdk==1.0.8->label-studio) (3.2.2)
Requirement already satisfied: smart-open==6.3.0 in ./myenv/lib/python3.10/site-packages (from smart-open[http]==6.3.0->jsf<0.12.0, >=0.11.2->label-studio-sdk==1.0.8->label-studio) (7.1.0)
Requirement already satisfied: jsonschema-specifications==2023.03.6 in ./myenv/lib/python3.10/site-packages (from jsonschema==4.23.0->label-studio-sdk==1.0.8->label-studio) (2024.10.1)
Requirement already satisfied: referencing==0.28.4 in ./myenv/lib/python3.10/site-packages (from jsonschema==4.23.0->label-studio-sdk==1.0.8->label-studio) (0.35.2)
Requirement already satisfied: rpds-py==0.7.1 in ./myenv/lib/python3.10/site-packages (from jsonschema==4.23.0->label-studio-sdk==1.0.8->label-studio) (0.22.3)
Requirement already satisfied: joblib in ./myenv/lib/python3.10/site-packages (from nltk<4.0.0, >=3.9.1->label-studio-sdk==1.0.8->label-studio) (1.4.2)
Requirement already satisfied: regex==2021.8.3 in ./myenv/lib/python3.10/site-packages (from nltk<4.0.0, >=3.9.1->label-studio-sdk==1.0.8->label-studio) (2024.11.6)
Requirement already satisfied: deprecated==1.2.6 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api==1.9.0->google-cloud-logging<4.0.0, >=3.10.0->label-studio) (1.2.17)
Requirement already satisfied: importlib-metadata<8.5.0, >=6.0 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api==1.9.0->google-cloud-logging<4.0.0, >=3.10.0->label-studio) (8.5.0)
Requirement already satisfied: markdown-it-py==2.2.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (3.0.0)
Requirement already satisfied: pygments<3.0.0, >=2.13.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (2.19.1)
Requirement already satisfied: ua-parser==0.10.0 in ./myenv/lib/python3.10/site-packages (from user-agents->django-user-agents==0.4.0->label-studio) (1.0.0)
Requirement already satisfied: mpyc-extensions==0.4.3 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (1.0.0)
Requirement already satisfied: pathspec==0.9.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (0.12.1)
Requirement already satisfied: platformdirs==2 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (4.3.6)
Requirement already satisfied: toml==1.1.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.1)
Requirement already satisfied: pycparser in ./myenv/lib/python3.10/site-packages (from cffi==1.12->cryptography==2.1.4->azure-storage-blob==12.6.0->label-studio-sdk==1.0.8->label-studio) (2.22)
Requirement already satisfied: wrapt<2, >=1.10 in ./myenv/lib/python3.10/site-packages (from deprecated==1.2.6->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0, >=3.10.0->label-studio) (1.17.2)
Requirement already satisfied: zipp==3.20 in ./myenv/lib/python3.10/site-packages (from importlib-metadata<8.5.0, >=6.0->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0, >=3.10.0->label-studio) (3.21.0)
Requirement already satisfied: MarkupSafe==2.0 in ./myenv/lib/python3.10/site-packages (from jinja2<4.0, >=2.10.1->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (3.0.2)
Requirement already satisfied: mdurl==0.1 in ./myenv/lib/python3.10/site-packages (from markdown-it-py==2.2.0->rich==12.5.1->pyboxen==1.3.0->label-studio) (0.1.2)
Requirement already satisfied: pyasn1<0.7.0, >=0.4.6 in ./myenv/lib/python3.10/site-packages (from pyasn1-modules==0.2.1->google-auth==2.24.0, !=2.25.0, <3.0.0dev, >=2.14.1->google-cloud-logging<4.0.0, >=3.10.0->label-studio) (0.6.1)
Requirement already satisfied: email-validator==2.0.0 in ./myenv/lib/python3.10/site-packages (from pydantic[email]==2.4.0, <3.0, >=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.0)
Requirement already satisfied: ua-parser-builtins in ./myenv/lib/python3.10/site-packages (from ua-parser==0.10.0->user-agents->django-user-agents==0.4.0->label-studio) (0.18.0.post1)
Requirement already satisfied: dnspython==2.0.0 in ./myenv/lib/python3.10/site-packages (from email-validator==2.0.0->pydantic[email]==2.4.0, <3.0, >=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.7.0)
(myenv) pramith@pramith:~/CS203-Lab3$
```



```

.6)
Requirement already satisfied: deprecated>=1.2.6 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (1.2.17)
Requirement already satisfied: importlib-metadata<8.5.0,>=6.0 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (8.5.0)
Requirement already satisfied: markdown-it-py>=2.2.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (2.19.1)
Requirement already satisfied: ua-parser>=0.10.0 in ./myenv/lib/python3.10/site-packages (from user-agents->django-user-agents==0.4.0->label-studio) (1.0.0)
Requirement already satisfied: mypy-extensions>=0.4.3 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (1.0.0)
Requirement already satisfied: pathspec>=0.9.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (0.12.1)
Requirement already satisfied: platformdirs>=2 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (4.3.6)
Requirement already satisfied: tomli>=1.1.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.1)
Requirement already satisfied: pycparser in ./myenv/lib/python3.10/site-packages (from cffi==1.12->cryptography>=2.1.4->azure-storage-blob==12.6.0->label-studio) (2.22)
Requirement already satisfied: wrapt<2,>=1.0 in ./myenv/lib/python3.10/site-packages (from deprecated==1.2.6->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (1.17.2)
Requirement already satisfied: zipp>=3.20 in ./myenv/lib/python3.10/site-packages (from importlib-metadata<8.5.0,>=6.0->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (3.21.0)
Requirement already satisfied: MarkupSafe>=2.0 in ./myenv/lib/python3.10/site-packages (from Jinja2<4.0,>=2.10.1->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (3.0.2)
Requirement already satisfied: mdurl<=0.1 in ./myenv/lib/python3.10/site-packages (from markdown-it-py>=2.2.0->rich==12.5.1->pyboxen==1.3.0->label-studio) (0.1.2)
Requirement already satisfied: pyasn1<0.7.0,>=0.4.6 in ./myenv/lib/python3.10/site-packages (from pyasn1-modules==0.2.1->google-auth!=2.24.0,!>=2.25.0,<3.0.0dev,>=2.14.1->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (0.6.1)
Requirement already satisfied: email-validator>=2.0.0 in ./myenv/lib/python3.10/site-packages (from pydantic[email]!=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.0)
Requirement already satisfied: ua-parser-builtins in ./myenv/lib/python3.10/site-packages (from ua-parser==0.10.0->user-agents->django-user-agents==0.4.0->label-studio) (0.18.0.post1)
Requirement already satisfied: dnspython>=2.0.0 in ./myenv/lib/python3.10/site-packages (from email-validator==2.0.0->pydantic[email]!=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.7.0)
(myenv) pramith@pramith:~/CS203-Lab3$ pip show label-studio
Name: label-studio
Version: 1.15.0
Summary: Label Studio annotation tool
Home-page: https://github.com/HumanSignal/label-studio
Author: Heartex
Author-email: hello@heartex.ai
License: Apache-2.0
Location: /home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages
Requires: appdirs, attr, attrs, azure-storage-blob, bleach, boto, boto3, botocore, colorama, defusedxml, Django, django-annoying, django-cors-headers, django-cs
o, django-debug-toolbar, django-environ, django-extensions, django-filter, django-migration-linter, django-model-utils, django-ranged-fileresponse, django-rq, d
jango-storages, django-user-agents, django-rest-framework, drf-dynamic-fields, drf-flex-fields, drf-generators, google-cloud-logging, google-cloud-storage, humans
ignal-drf-yasg, label-studio-sdk, launchdarkly-server-sdk, lockfile, lxml, numpy, openai, ordered-set, pandas, psycopg2-binary, pyboxen, pydantic, python-dateut
il, python-json-logger, pytz, pyyaml, redis, requests, rq, rules, sentry-sdk, setuptools, ujson, urllib3, wheel, xmljson
Required-by:
(myenv) pramith@pramith:~/CS203-Lab3$

```

as you can see the Label-Studio is installed in Python3.10

```

Requirement already satisfied: importlib-metadata<8.5.0,>=6.0 in ./myenv/lib/python3.10/site-packages (from opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (8.5.0)
Requirement already satisfied: markdown-it-py>=2.2.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in ./myenv/lib/python3.10/site-packages (from rich==12.5.1->pyboxen==1.3.0->label-studio) (2.19.1)
Requirement already satisfied: ua-parser>=0.10.0 in ./myenv/lib/python3.10/site-packages (from user-agents->django-user-agents==0.4.0->label-studio) (1.0.0)
Requirement already satisfied: mypy-extensions>=0.4.3 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (1.0.0)
Requirement already satisfied: pathspec>=0.9.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (0.12.1)
Requirement already satisfied: platformdirs>=2 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (4.3.6)
Requirement already satisfied: tomli>=1.1.0 in ./myenv/lib/python3.10/site-packages (from black==19.10b0->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.1)
Requirement already satisfied: pycparser in ./myenv/lib/python3.10/site-packages (from cffi==1.12->cryptography>=2.1.4->azure-storage-blob==12.6.0->label-studio) (2.22)
Requirement already satisfied: wrapt<2,>=1.0 in ./myenv/lib/python3.10/site-packages (from deprecated==1.2.6->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (1.17.2)
Requirement already satisfied: zipp>=3.20 in ./myenv/lib/python3.10/site-packages (from importlib-metadata<8.5.0,>=6.0->opentelemetry-api==1.9.0->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (3.21.0)
Requirement already satisfied: MarkupSafe>=2.0 in ./myenv/lib/python3.10/site-packages (from Jinja2<4.0,>=2.10.1->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (3.0.2)
Requirement already satisfied: mdurl<=0.1 in ./myenv/lib/python3.10/site-packages (from markdown-it-py>=2.2.0->rich==12.5.1->pyboxen==1.3.0->label-studio) (0.1.2)
Requirement already satisfied: pyasn1<0.7.0,>=0.4.6 in ./myenv/lib/python3.10/site-packages (from pyasn1-modules==0.2.1->google-auth!=2.24.0,!>=2.25.0,<3.0.0dev,>=2.14.1->google-cloud-logging<4.0.0,>=3.10.0->label-studio) (0.6.1)
Requirement already satisfied: email-validator>=2.0.0 in ./myenv/lib/python3.10/site-packages (from pydantic[email]!=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.2.0)
Requirement already satisfied: ua-parser-builtins in ./myenv/lib/python3.10/site-packages (from ua-parser==0.10.0->user-agents->django-user-agents==0.4.0->label-studio) (0.18.0.post1)
Requirement already satisfied: dnspython>=2.0.0 in ./myenv/lib/python3.10/site-packages (from email-validator==2.0.0->pydantic[email]!=2.4.0,<3.0,>=1.9.0; python_version >= "3.10" and python_version < "3.11"->datamodel-code-generator==0.26.1->label-studio-sdk==1.0.8->label-studio) (2.7.0)
(myenv) pramith@pramith:~/CS203-Lab3$ pip show label-studio
Name: label-studio
Version: 1.15.0
Summary: Label Studio annotation tool
Home-page: https://github.com/HumanSignal/label-studio
Author: Heartex
Author-email: hello@heartex.ai
License: Apache-2.0
Location: /home/pramith/CS203-Lab3/myenv/lib/python3.10/site-packages
Requires: appdirs, attr, attrs, azure-storage-blob, bleach, boto, boto3, botocore, colorama, defusedxml, Django, django-annoying, django-cors-headers, django-cs
o, django-debug-toolbar, django-environ, django-extensions, django-filter, django-migration-linter, django-model-utils, django-ranged-fileresponse, django-rq, d
jango-storages, django-user-agents, django-rest-framework, drf-dynamic-fields, drf-flex-fields, drf-generators, google-cloud-logging, google-cloud-storage, humans
ignal-drf-yasg, label-studio-sdk, launchdarkly-server-sdk, lockfile, lxml, numpy, openai, ordered-set, pandas, psycopg2-binary, pyboxen, pydantic, python-dateut
il, python-json-logger, pytz, pyyaml, redis, requests, rq, rules, sentry-sdk, setuptools, ujson, urllib3, wheel, xmljson
Required-by:
(myenv) pramith@pramith:~/CS203-Lab3$ [ 5987.987271] watchdog: BUG: soft lockup - CPU#0 stuck for 81s! [swapper/0:0]
cd
(myenv) pramith@pramith:~$ history > user_history.txt
(myenv) pramith@pramith:~$

```

also downloaded the txt.

Over these are the screen shots that we took setting up the environment in Ubuntu Linux the were bugs and issues in between we fixed them by installing necessary files like lib files and sqlite3 also



reinstalled the Python3.10.16 because of it.