

```
unixlenovo@DESKTOP-BA9PHMG: ~
2 updates can be applied immediately.
1 of these updates is a standard security update.
To see these additional updates run: apt list --upgradable

This message is shown once a day. To disable it please create the
/home/unixlenovo/.hushlogin file.
(base) unixlenovo@DESKTOP-BA9PHMG:~$ ssh -T git@github.com
Hi vineetvermaml! You've successfully authenticated, but GitHub does not provide shell access.
(base) unixlenovo@DESKTOP-BA9PHMG:~$
```

```
unixlenovo@DESKTOP-BA9PHMG /mnt/d/quiz/mlps22
2 updates can be applied immediately.
1 of these updates is a standard security update.
To see these additional updates run: apt list --upgradable

This message is shown once a day. To disable it please create the
/home/unixlenovo/.hushlogin file.
(base) unixlenovo@DESKTOP-BA9PHMG:~$ ssh -T git@github.com
Hi vineetvermaml! You've successfully authenticated, but GitHub does not provide shell access.
(base) unixlenovo@DESKTOP-BA9PHMG:~$ cd /mnt/d/
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/$ cd quiz
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz$ git clone git@github.com:vineetvermaml/mlps22.git
Cloning into 'mlps22'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 13 (delta 3), reused 9 (delta 2), pack-reused 0
Receiving objects: 100% (13/13), 1.88 MiB | 1.60 MiB/s, done.
Resolving deltas: 100% (3/3), done.
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz$ git checkout -b quiz1
fatal: not a git repository (or any parent up to mount point /mnt)
Stopping at filesystem boundary (GIT_DISCOVERY_ACROSS_FILESYSTEM not set).
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz$ cd mlps22
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git checkout -b quiz1
Switched to a new branch 'quiz1'
(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ conda create -n "my_conda_env_quiz" python=3.8.1
Collecting package metadata (current_repodata.json): done
Solving environment: failed with repodata from current_repodata.json, will retry with next repodata source.
Collecting package metadata (repodata.json): \
```

```
unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22
opengl-1.1.1q      | h7f8727e_0      | 2.5 MB
pip-22.1.2        | py38h06a4308_0  | 2.5 MB
python-3.8.1      | h0371630_1      | 49.5 MB
readline-7.0     | h7b6447c_5      | 324 KB
setuptools-63.4.1 | py38h06a4308_0  | 1.1 MB
sqlite-3.33.0    | h62c20be_0      | 1.1 MB
tk-8.6.12        | h1ccaba5_0      | 3.0 MB
xz-5.2.5         | h7f8727e_1      | 339 KB
zlib-1.2.12      | h7f8727e_2      | 106 KB
-----
Total:            |                | 72.8 MB

The following NEW packages will be INSTALLED:

libgcc_mutex      pkgs/main/linux-64::libgcc_mutex-0.1-main
openmp_mutex      pkgs/main/linux-64::openmp_mutex-5.1-1_gnu
ca-certificates   pkgs/main/linux-64::ca-certificates-2022.07.19-h06a4308_0
certifi           pkgs/main/linux-64::certifi-2022.6.15-py38h06a4308_0
ld_impl_linux-64 pkgs/main/linux-64::ld_impl_linux-64-2.38-h1181459_1
libedit           pkgs/main/linux-64::libedit-3.1.20210910-h7f8727e_0
libffi            pkgs/main/linux-64::libffi-3.2.1-h48449e_1007
libgcc-ng         pkgs/main/linux-64::libgcc-ng-11.2.0-h1234567_1
libgomp           pkgs/main/linux-64::libgomp-11.2.0-h1234567_1
libstdcxx-ng      pkgs/main/linux-64::libstdcxx-ng-11.2.0-h1234567_1
ncurses           pkgs/main/linux-64::ncurses-6.3-h5ee18b_3
openssl           pkgs/main/linux-64::openssl-1.1.1q-h7f8727e_0
pip              pkgs/main/linux-64::pip-22.1.2-py38h06a4308_0
python           pkgs/main/linux-64::python-3.8.1-h0371630_1
readline         pkgs/main/linux-64::readline-7.0-h7b6447c_5
setuptools        pkgs/main/linux-64::setuptools-63.4.1-py38h06a4308_0
sqlite           pkgs/main/linux-64::sqlite-3.33.0-h62c20be_0
tk               pkgs/main/linux-64::tk-8.6.12-h1ccaba5_0
wheel            pkgs/main/noarch::wheel-0.37.1-pyhd3eb1b0_0
xz               pkgs/main/linux-64::xz-5.2.5-h7f8727e_1
zlib             pkgs/main/linux-64::zlib-1.2.12-h7f8727e_2

Proceed ([y]/n)? y

Downloading and Extracting Packages
openmp_mutex-5.1 | 21 KB | #####1 | 77%
```

```
unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22
sqlite           pkgs/main/linux-64::sqlite-3.33.0-h62c20be_0
tk               pkgs/main/linux-64::tk-8.6.12-h1ccaba5_0
wheel            pkgs/main/noarch::wheel-0.37.1-pyhd3eb1b0_0
xz               pkgs/main/linux-64::xz-5.2.5-h7f8727e_1
zlib             pkgs/main/linux-64::zlib-1.2.12-h7f8727e_2

Proceed ([y]/n)? y

Downloading and Extracting Packages
openmp_mutex-5.1 | 21 KB | #####100%
tk-8.6.12        | 3.0 MB | #####100%
certifi-2022.6.15 | 153 KB | #####100%
xz-5.2.5         | 339 KB | #####100%
sqlite-3.33.0    | 1.1 MB | #####100%
ncurses-6.3      | 781 KB | #####100%
libgomp-11.2.0   | 474 KB | #####100%
python-3.8.1     | 49.5 MB | #####100%
libgcc-ng-11.2.0 | 5.3 MB | #####100%
setuptools-63.4.1 | 1.1 MB | #####100%
libstdcxx-ng-11.2.0 | 4.7 MB | #####100%
zlib-1.2.12      | 106 KB | #####100%
pip-22.1.2       | 2.5 MB | #####100%
ld_impl_linux-64-2.3 | 654 KB | #####100%
readline-7.0     | 324 KB | #####100%
libffi-3.2.1     | 48 KB | #####100%
libedit-3.1.20210910 | 166 KB | #####100%
openssl-1.1.1q   | 2.5 MB | #####100%
ca-certificates-2022 | 124 KB | #####100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#   $ conda activate my_conda_env_quiz
#
# To deactivate an active environment, use
#
#   $ conda deactivate
#

(base) unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22$ conda activate my_conda_env_quiz
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22$
```

# PYTHON VERSION

```
unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22
sqlite      pkgs/main/linux-64::sqlite-3.33.0-h62c208e_0
tk          pkgs/main/linux-64::tk-8.6.12-h1cceb5_0
wheel      pkgs/main/noarch::wheel-0.37.1-pyhd3eb1b0_0
xz         pkgs/main/linux-64::xz-5.2.5-h7f8727e_1
zlib       pkgs/main/linux-64::zlib-1.2.12-h7f8727e_2

Proceed ([y]/n)? y

Downloading and Extracting Packages
openmp_mutex-5.1          | 21 KB      | ##### 100%
tk-8.6.12                 | 3.0 MB     | ##### 100%
certifi-2022.6.15        | 153 KB     | ##### 100%
xz-5.2.5                  | 339 KB     | ##### 100%
sqlite-3.33.0             | 1.1 MB     | ##### 100%
ncurses-6.3              | 781 KB     | ##### 100%
libgomp-11.2.0           | 474 KB     | ##### 100%
python-3.8.1              | 49.5 MB    | ##### 100%
libgcc-ng-11.2.0         | 5.3 MB     | ##### 100%
setuptools-63.4.1        | 1.1 MB     | ##### 100%
libstdcxx-ng-11.2.0      | 4.7 MB     | ##### 100%
zlib-1.2.12               | 106 KB     | ##### 100%
pip-22.1.2                | 2.5 MB     | ##### 100%
ld_impl_linux-64-2.3     | 654 KB     | ##### 100%
readline-7.0              | 324 KB     | ##### 100%
libffi-3.2.1              | 48 KB      | ##### 100%
libedit-3.1.20210910     | 166 KB     | ##### 100%
openssl-1.1.1q            | 2.5 MB     | ##### 100%
ca-certificates-2022     | 124 KB     | ##### 100%
Preparing transaction: done
Verifying transaction: done
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#
# To activate this environment, use
#
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#
# To deactivate an active environment, use
#
#   $ conda deactivate
#

(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ conda activate my_conda_env_quiz
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ python --version
Python 3.8.1
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$
```

```
unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22
hltk
```

```
unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22
libstdc++-ng-11.2.0 4.7 MB 100%
zlib-1.2.12 106 KB 100%
pip-22.1.2 2.5 MB 100%
ld_impl_linux-64-2.3 654 KB 100%
glibc-2.34 324 KB 100%
libffi-3.2.1 48 KB 100%
libedit-3.1.20210910 166 KB 100%
openssl-1.1.1q 2.5 MB 100%
ca-certificates-2022 124 KB 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
# To activate this environment, use
#
# $ conda activate my_conda_env_quiz
#
# To deactivate an active environment, use
#
# $ conda deactivate
#

(base) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ conda activate my_conda_env_quiz
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ python --version
Python 3.8.1
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ vi requirement.txt
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ pip install -r requirement.txt
WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x7f632c687a30>:
Failed to establish a new connection: [Errno -2] Name or service not known')': /simple/nltk/
WARNING: Retrying (Retry(total=3, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x7f632c687d30>:
Failed to establish a new connection: [Errno -2] Name or service not known')': /simple/nltk/
WARNING: Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x7f632c687fa0>:
Failed to establish a new connection: [Errno -2] Name or service not known')': /simple/nltk/
WARNING: Retrying (Retry(total=1, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x7f632c633190>:
Failed to establish a new connection: [Errno -2] Name or service not known')': /simple/nltk/
WARNING: Retrying (Retry(total=0, connect=None, read=None, redirect=None, status=None)) after connection broken by 'NewConnectionError('<pip._vendor.urllib3.connection.HTTPSConnection object at 0x7f632c633400>:
Failed to establish a new connection: [Errno -2] Name or service not known')': /simple/nltk/
ERROR: Could not find a version that satisfies the requirement nltk (from versions: none)
ERROR: No matching distribution found for nltk
WARNING: There was an error checking the latest version of pip.
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ sudo apt install python3-pip
[sudo] password for unixlenovo:
Reading package lists... Done
Building dependency tree
Reading state information... Done
python3-pip is already the newest version (20.0.2-5ubuntu1.6).
0 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ pip install -r requirement.txt
```

```
unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22
brotli-bin-1.0.9 19 KB 100%
brotli-1.1.0 211 KB 100%
brotli-1.0.9 19 KB 100%
cjo-4.19.13 279 KB 100%
libbrotlienc-1.0.9 264 KB 100%
icu-58.2 10.5 MB 100%
libbrotlicommon-1.0 70 KB 100%
libwebp-base-1.2.2 440 KB 100%
zlib-1.0 6 KB 100%
libpng-1.6.37 278 KB 100%
pillow-9.2.0 666 KB 100%
pyparsing-3.0.9 152 KB 100%
lz4-c-1.9.3 185 KB 100%
dbus-1.13.18 504 KB 100%
packaging-21.3 36 KB 100%
nkl-fft-1.3.1 180 KB 100%
regex-2022.7.9 334 KB 100%
intel-openmp-2021.4 4.2 MB 100%
kivisolver-1.4.2 83 KB 100%
libfortran-ng-11.2 20 KB 100%
libuuid-1.0.3 17 KB 100%
jpeg-9e 240 KB 100%
libdeflate-1.8 51 KB 100%
tornado-6.1 588 KB 100%
libtiff-4.4.0 471 KB 100%
ftw-3.3.9 2.3 MB 100%
streamer-1.14.0 3.1 MB 100%
libxcb-1.15 505 KB 100%
fonttools-4.25.0 632 KB 100%
click-8.0.4 151 KB 100%
cows-2.12 312 KB 100%
chreadpoolctl-2.2.0 16 KB 100%
ocre-8.45 207 KB 100%
munkres-1.1.4 13 KB 100%
expat-2.4.4 169 KB 100%
zlib-5.2.1 78 KB 100%
nltk-3.5 976 KB 100%
libfortran5-11.2.0 2.0 MB 100%
libbrotlidec-1.0.9 31 KB 100%
nkl-service-2.4.0 59 KB 100%
zlib-2.0.3 2.9 MB 100%
numpy-base-1.22.3 5.4 MB 100%
libxml2-2.9.14 718 KB 100%
scipy-1.7.3 16.8 MB 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: /

Installed package of scikit-learn can be accelerated using scikit-learn-intelx.
More details are available here: https://intel.github.io/scikit-learn-intelx
```

unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22

```
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22$ nltk --version  
nltk, version 3.5  
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22$
```



**We can verify that version of nltk installed is 3.5**

**Requirement.txt added, commit and pushed to Branch quiz1**

```
unixlenovo@DESKTOP-BA9PHMG: /mnt/d/quiz/mlps22
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ nltk --version
nltk, version 3.5
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git status
On branch quiz1
Your branch is up to date with 'origin/quiz1'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   requirement.txt

no changes added to commit (use "git add" and/or "git commit -a")
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git add requirement.txt
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git c
checkout    cherry    cherry-pick    citool    clean    clone    commit    config
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git commit -m"test01"
[quiz1 feebbfd] test01
1 file changed, 2 insertions(+)
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 286 bytes | 286.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:vineetvermaml/mlps22.git
   28a0072..feebbfd  quiz1 -> quiz1
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$ git status
On branch quiz1
Your branch is up to date with 'origin/quiz1'.

nothing to commit, working tree clean
(my_conda_env_quiz) unixlenovo@DESKTOP-BA9PHMG:/mnt/d/quiz/mlps22$
```

## Verified changes are reflected on Github with proper comments

