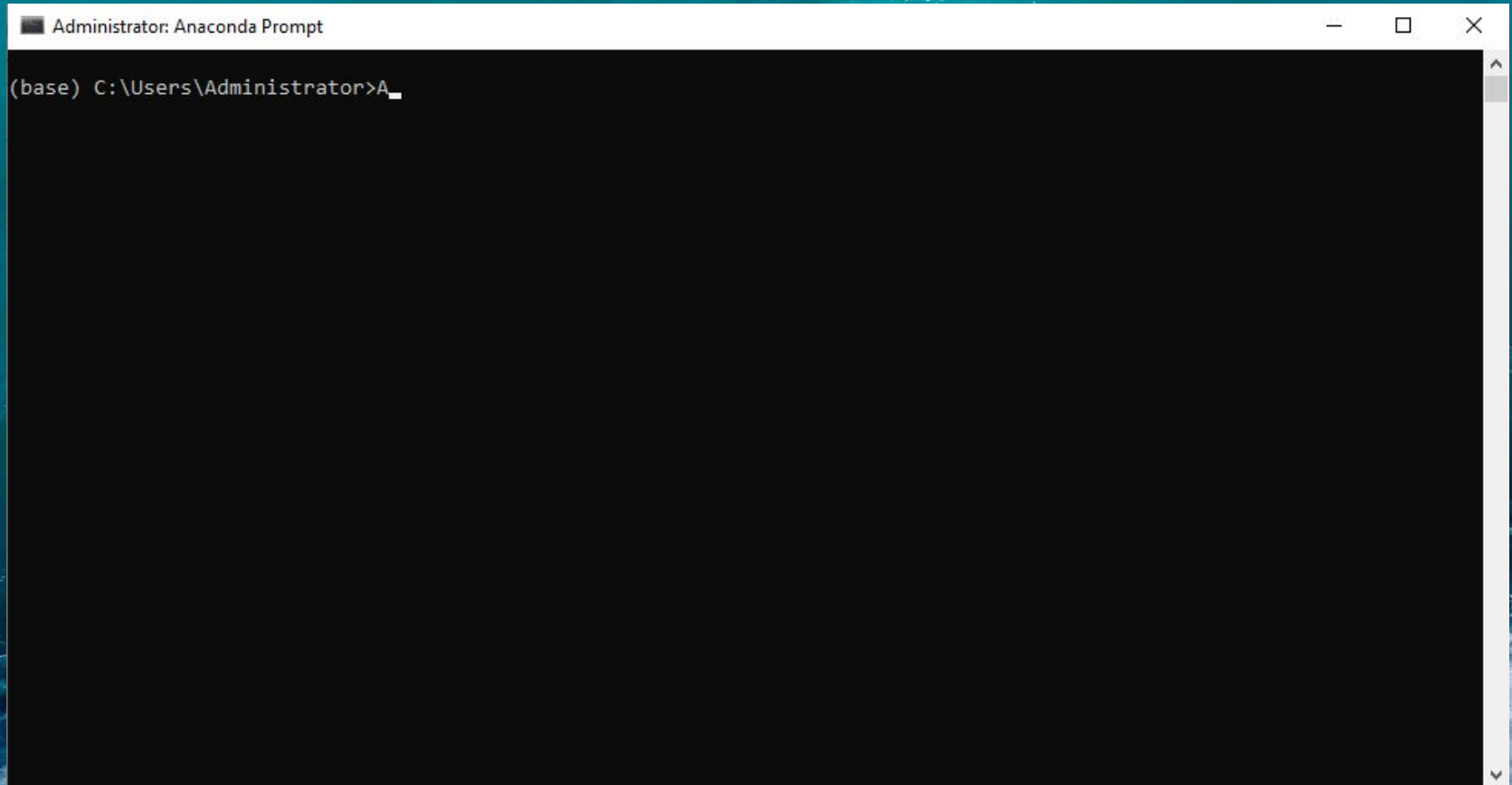


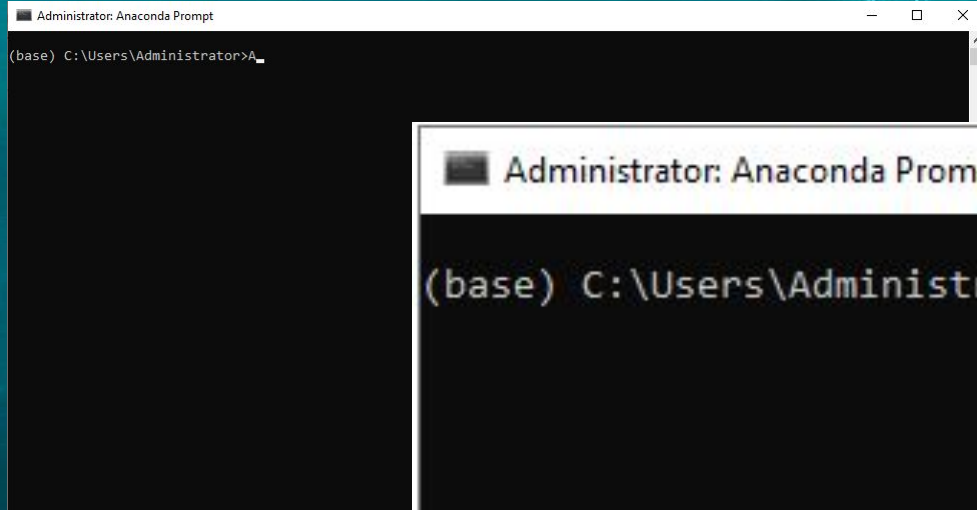
Administrator: Anaconda Prompt

(base) C:\Users\Administrator>

Command Line Interface (CLI)

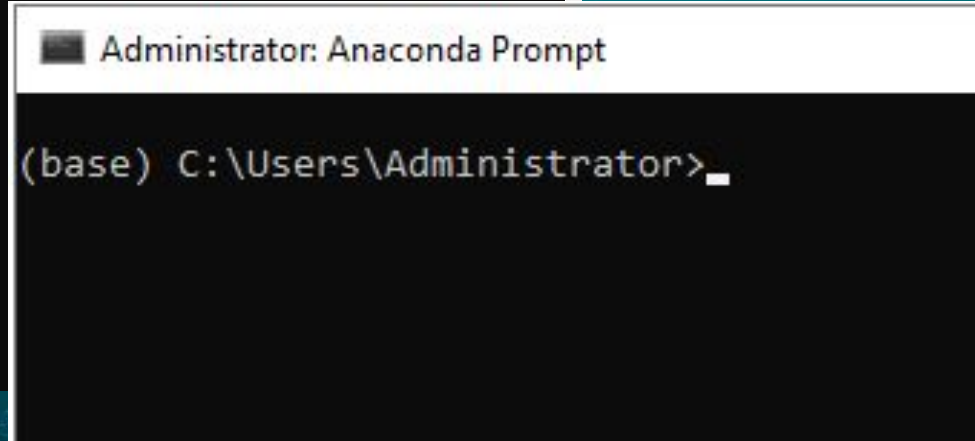


Navigate in CLI



Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>A_
```



Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>_
```

Navigate in CLI

dir

Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>dir_
```

show directory

cd

Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>cd_
```

change directory

cd..

Auswählen Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>cd.._
```

change upwards

Dependencies

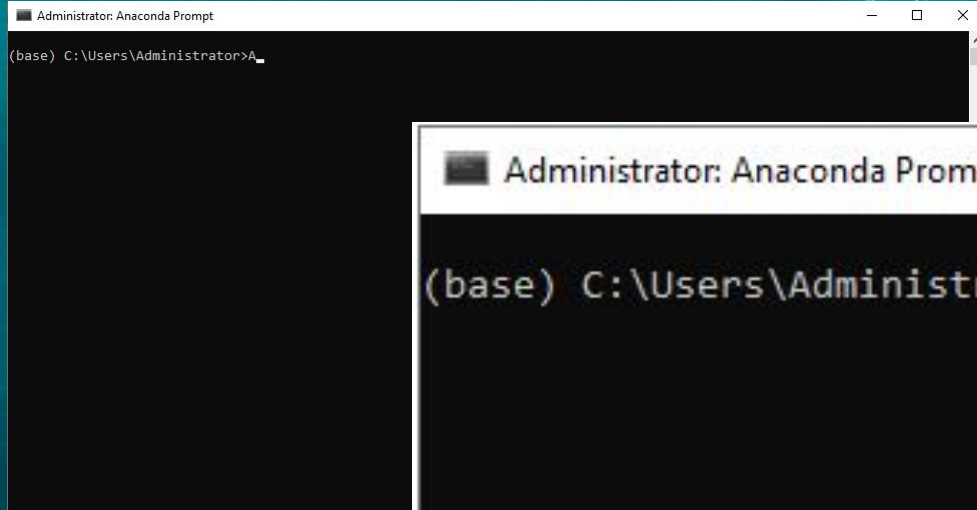
Can arise when external libraries or packages are used.
Often a conflict in version requirements.

Solution

Create virtual environments in package management tool to isolate project dependencies, so that project dependencies do not interfere with system-wide python.

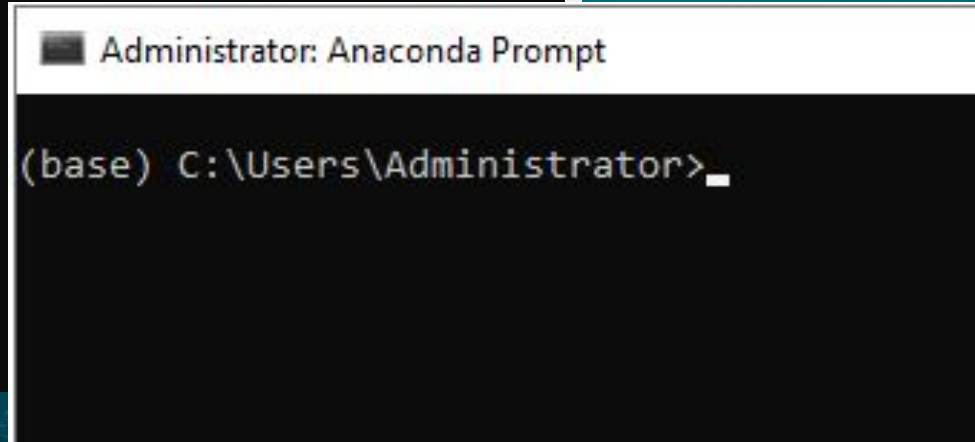
Requirement.txt file specify dependencies and versions and helps maintain consistency across different environments.

Anaconda Environment



Administrator: Anaconda Prompt

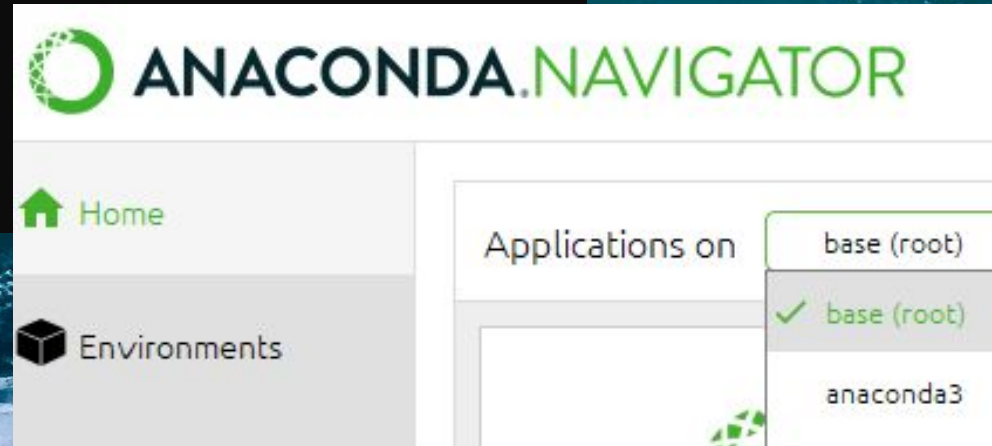
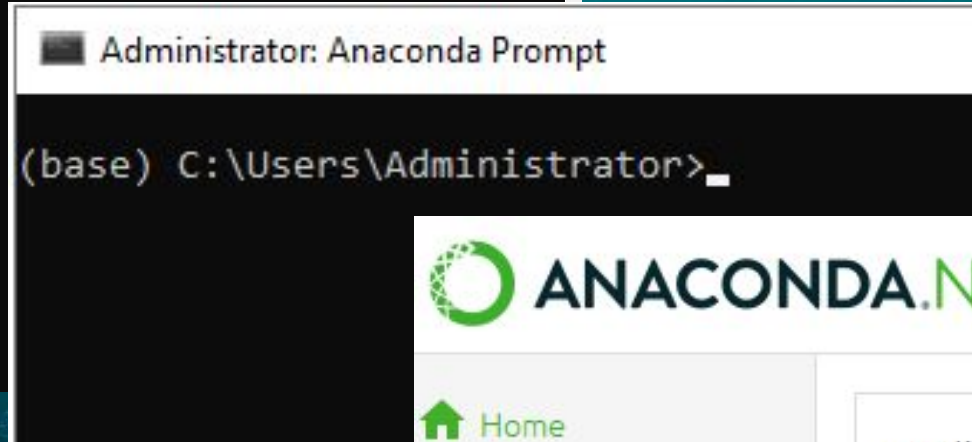
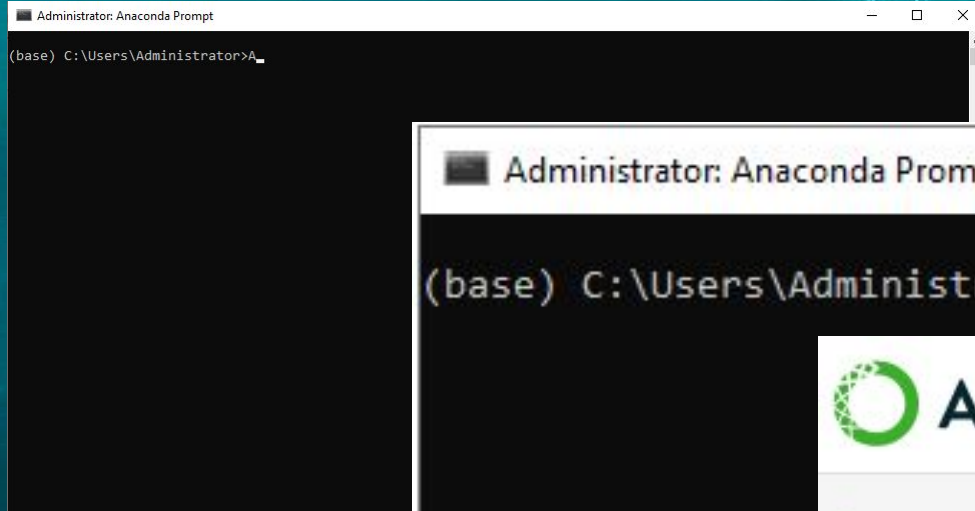
```
(base) C:\Users\Administrator>A_
```



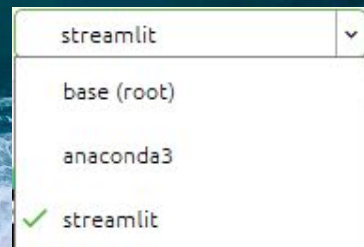
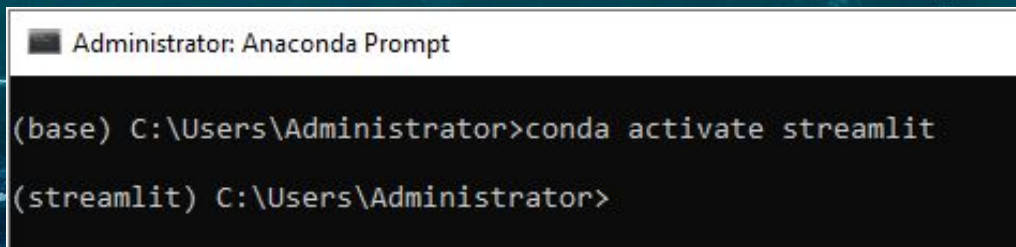
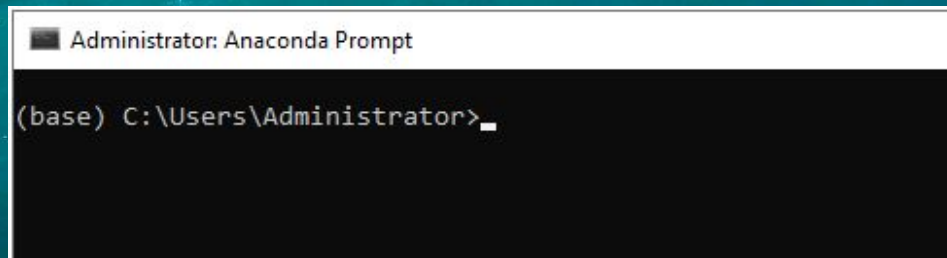
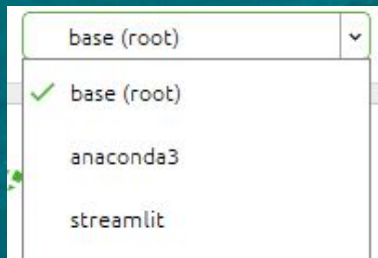
Administrator: Anaconda Prompt

```
(base) C:\Users\Administrator>_
```


Anaconda Environment



Anaconda Environment



Anaconda CLI commands

conda create

creates environment.

conda activate

activates environment.

conda deactivate

deactivates environment.

conda install

installs a package or packages into an environment.

conda update

updates a package in an environment to their latest versions.

conda info

displays information about an environment or a package.

conda list

lists packages in an environment.

conda remove

removes a package or packages from an environment.

conda clean

removes unused packages from an environment.



Anaconda and pip

- Tools for Managing Python Packages

pip

Package manager that is included with the Python programming language.

It allows to install and manage Python packages from the Python Package Index (PyPI), which is a central repository of Python packages.

Pip is a command-line tool.

Anaconda

Free and open-source distribution of Python.

Managing Python environments and packages.

Is a command-line tool (CLI).

Also includes the Anaconda Navigator, a graphical user interface (GUI).

Large number of pre-installed Python packages.