



Python PIP

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What is PIP?

PIP is a package manager for Python packages, or modules if you like.

Note: If you have Python version 3.4 or later, PIP is included by default.

What is a Package?

A package contains all the files you need for a module.

Modules are Python code libraries you can include in your project.

Check if PIP is Installed

Navigate your command line to the location of Python's script directory, and type the following:

Example

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Check PIP version:

```
C:\Users\Your Name\AppData\Local\Programs\Python\Python36-32\Scripts>pip --version
```

Install PIP

If you do not have PIP installed, you can download and install it from this page: <https://pypi.org/project/pip/>

Download a Package

Downloading a package is very easy.

Open the command line interface and tell PIP to download the package you want.

Navigate your command line to the location of Python's script directory, and type the following:

Example

Download a package named "camelcase":

```
C:\Users\Your Name\AppData\Local\Programs\Python\Python36-32\Scripts>pip install camelcase
```



Using a Package

Once the package is installed, it is ready to use.

Import the "camelcase" package into your project.

Example

Import and use "camelcase":

```
import camelcase

c = camelcase.CamelCase()

txt = "hello world"

print(c.hump(txt))
```

[Run Example »](#)

Find Packages

Find more packages at <https://pypi.org/>.

Remove a Package

Use the `uninstall` command to remove a package:

Example

Uninstall the package named "camelcase":

```
C:\Users\Your Name\AppData\Local\Programs\Python\Python36-32\Scripts>pip uninstall camelcase
```

The PIP Package Manager will ask you to confirm that you want to remove the camelcase package:

```
Uninstalling camelcase-0.2.1:
  Would remove:
    c:\users\Your Name\appdata\local\programs\python\python36-32\lib\site-packages\camelcase-0.2-py3.6.egg-info
    c:\users\Your Name\appdata\local\programs\python\python36-32\lib\site-packages\camelcase\*
  Proceed (y/n)?
```

Press `y` and the package will be removed.

List Packages

Use the `list` command to list all the packages installed on your system:

Example

List installed packages:



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Package	Version
-----	-----
camelcase	0.2
mysql-connector	2.1.6
pip	18.1
pymongo	3.6.1
setuptools	39.0.1

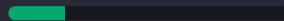
Exercise [?]

In the world of Python, what describes PIP best?

- ☐ PIP is a module used for drawing
- ☐ PIP is a module used for handling large amounts of data
- ☐ PIP is a package manager for Python modules

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