

```
n [ ]: #1. Create a python module with list and import the module in another .py file and change the value in list
```

```
n [1]: pip install module
```

```
Collecting module
  Downloading module-0.0.4-py3-none-any.whl (13 kB)
Installing collected packages: module
Successfully installed module-0.0.4
Note: you may need to restart the kernel to use updated packages.
```

```
n [2]: import math
print("The value of pi is", math.pi)
```

```
The value of pi is 3.141592653589793
```

```
[ ]: #2. Install pandas package (try to import the package in a python file)
```

```
n [3]: pip install pandas
```

```
Requirement already satisfied: pandas in /srv/conda/envs/notebook/lib/python3.6/site-packages (1.1.5)
Requirement already satisfied: python-dateutil>=2.7.3 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from pandas) (2.8.1)
Requirement already satisfied: pytz>=2017.2 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from pandas) (2021.1)
Requirement already satisfied: numpy>=1.15.4 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from pandas) (1.19.5)
Requirement already satisfied: six>=1.5 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from python-dateutil>=2.7.3->pandas) (1.15.0)
Note: you may need to restart the kernel to use updated packages.
```

```
n [4]: import pandas
```

```
In [ ]: #3. Import a module that picks random number and write a program to fetch a random number from 1 to 100 on every run.
```

```
In [5]: import numpy as np
import random
print(random.randint(0,9))
```

8

```
In [6]: print(random.randint(50,100))
```

92

```
In [ ]: #4.Import sys package and find the python path
```

```
In [7]: import sys
sys.path
```

```
Out[7]: ['/srv/conda/envs/notebook/lib/python36.zip',
'/srv/conda/envs/notebook/lib/python3.6',
'/srv/conda/envs/notebook/lib/python3.6/lib-dynload',
'',
'/srv/conda/envs/notebook/lib/python3.6/site-packages',
'/srv/conda/envs/notebook/lib/python3.6/site-packages/cycler-0.10.0-py3.6.egg',
'/srv/conda/envs/notebook/lib/python3.6/site-packages/IPython/extensions',
'/home/jovyan/.ipython']
```

```
In [8]: sys.version
```

```
Out[8]: '3.6.13 | packaged by conda-forge | (default, Feb 19 2021, 05:36:01) \n[GCC 9.3.0]'
```



```
In [ ]: #5.Try to install a package and uninstall a package using pip
```

```
In [9]: pip install flask
```

```
Collecting flask
  Downloading Flask-2.0.1-py3-none-any.whl (94 kB)
    |██████████████████████████████████████| 94 kB 914 kB/s eta 0:00:011
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.0.1-py3-none-any.whl (18 kB)
Collecting click>=7.1.2
  Downloading click-8.0.1-py3-none-any.whl (97 kB)
    |██████████████████████████████████████| 97 kB 1.6 MB/s eta 0:00:011
Collecting Werkzeug>=2.0
  Downloading Werkzeug-2.0.1-py3-none-any.whl (288 kB)
    |██████████████████████████████████████| 288 kB 16.9 MB/s eta 0:00:01
Collecting Jinja2>=3.0
  Downloading Jinja2-3.0.1-py3-none-any.whl (133 kB)
    |██████████████████████████████████████| 133 kB 24.6 MB/s eta 0:00:01
Requirement already satisfied: importlib-metadata in /srv/conda/envs/notebook/lib/python3.6/site-packages (from click>=7.1.2->flask) (3.4.0)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.0.1-cp36-cp36m-manylinux2010_x86_64.whl (30 kB)
Requirement already satisfied: dataclasses in /srv/conda/envs/notebook/lib/python3.6/site-packages (from Werkzeug>=2.0->flask) (0.7)
Requirement already satisfied: typing-extensions>=3.6.4 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from importlib-metadata->click>=7.1.2->flask) (3.7.4.3)
Requirement already satisfied: zipp>=0.5 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from importlib-metadata->click>=7.1.2->flask) (3.4.0)
Installing collected packages: MarkupSafe, Werkzeug, Jinja2, itsdangerous, click, flask
  Attempting uninstall: MarkupSafe
    Found existing installation: MarkupSafe 1.1.1
    Uninstalling MarkupSafe-1.1.1:
      Successfully uninstalled MarkupSafe-1.1.1
  Attempting uninstall: Jinja2
    Found existing installation: Jinja2 2.11.3
    Uninstalling Jinja2-2.11.3:
      Successfully uninstalled Jinja2-2.11.3
Successfully installed Jinja2-3.0.1 MarkupSafe-2.0.1 Werkzeug-2.0.1 click-8.0.1 flask-2.0.1 itsdangerous-2.0.1
Note: you may need to restart the kernel to use updated packages.
```

```
In [ ]: pip uninstall flask
```



```
[ ]: #5.Try to install a package and uninstall a package using pip
```

```
[9]: pip install flask
```

```
Collecting flask
  Downloading Flask-2.0.1-py3-none-any.whl (94 kB)
    |████████████████████████████████████████| 94 kB 914 kB/s eta 0:00:011
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.0.1-py3-none-any.whl (18 kB)
Collecting click>=7.1.2
  Downloading click-8.0.1-py3-none-any.whl (97 kB)
    |████████████████████████████████████████| 97 kB 1.6 MB/s eta 0:00:011
Collecting Werkzeug>=2.0
  Downloading Werkzeug-2.0.1-py3-none-any.whl (288 kB)
    |████████████████████████████████████████| 288 kB 16.9 MB/s eta 0:00:01
Collecting Jinja2>=3.0
  Downloading Jinja2-3.0.1-py3-none-any.whl (133 kB)
    |████████████████████████████████████████| 133 kB 24.6 MB/s eta 0:00:01
Requirement already satisfied: importlib-metadata in /srv/conda/envs/notebook/lib/python3.6/site-packages (from click>=7.1.2->flask) (3.4.0)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.0.1-cp36-cp36m-manylinux2010_x86_64.whl (30 kB)
Requirement already satisfied: dataclasses in /srv/conda/envs/notebook/lib/python3.6/site-packages (from Werkzeug>=2.0->flask) (0.7)
Requirement already satisfied: typing-extensions>=3.6.4 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from importlib-metadata->click>=7.1.2->flask) (3.7.4.3)
Requirement already satisfied: zipp>=0.5 in /srv/conda/envs/notebook/lib/python3.6/site-packages (from importlib-metadata->click>=7.1.2->flask) (3.4.0)
Installing collected packages: MarkupSafe, Werkzeug, Jinja2, itsdangerous, click, flask
  Attempting uninstall: MarkupSafe
    Found existing installation: MarkupSafe 1.1.1
    Uninstalling MarkupSafe-1.1.1:
      Successfully uninstalled MarkupSafe-1.1.1
```

Attempting uninstall: Jinja2

Found existing installation: Jinja2 2.11.3

Uninstalling Jinja2-2.11.3:

Successfully uninstalled Jinja2-2.11.3

Successfully installed Jinja2-3.0.1 MarkupSafe-2.0.1 Werkzeug-2.0.1 click-8.0.1 flask-2.0.1 itsdangerous-2.0.1

Note: you may need to restart the kernel to use updated packages.

n []:

```
pip uninstall flask
```

Found existing installation: Flask 2.0.1

Uninstalling Flask-2.0.1:

Would remove:

/srv/conda/envs/notebook/bin/flask

/srv/conda/envs/notebook/lib/python3.6/site-packages/Flask-2.0.1.dist-info/*

/srv/conda/envs/notebook/lib/python3.6/site-packages/flask/*

Proceed (y/n)?