

Python Installation & Configuration

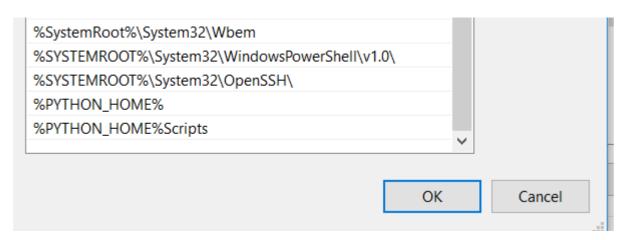
1. Installation

Install Anaconda and Spyder from https://www.anaconda.com/download/

2. Environmental Setup

- 2.1. Add Python home to System Path variable -
 - Know your python home using below command from python os.path.dirname(sys.executable)
 - Open environment variable console and add system variable "PYTHON_HOME":
 - Edit System Variable "PATH" and add "PYTHON_HOME" and Scripts to it:

PATH= PATH;%PYTHON_HOME%;%PYTHON_HOME%Scripts;



2.2. Test if you are able to run python directly from a new command line without mentioning complete path:

```
Command Prompt - python

Microsoft Windows [Version 10.0.17134.165]

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C:\Users\Hemant Rathore>python

Python 3.6.5 | Anaconda, Inc. | (default, Mar 29 2018, 13:32:41) [MSC v.1900 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license" for more information.

>>>
```



3. Install Python package manager: PIP

- A python-based package manager which helps to install and manage python packages
- 3.1. Check if pip is already installed, it comes with python installation:

Using cmd -

python -m pip --version

```
C:\Users\Hemant Rathore>python -m pip --version
pip 10.0.1 from C:\ProgramData\Anaconda3\lib\site-packages\pip (python 3.6)
C:\Users\Hemant Rathore>
```

Or You can also check pip version directly using: pip-V

```
C:\Users\Hemant Rathore>pip -V
pip 10.0.1 from C:\ProgramData\Anaconda3\lib\site-packages\pip (python 3.6)
C:\Users\Hemant Rathore>
```

3.2. If not installed already, please follow below article to install PIP first:

https://pip.pypa.io/en/stable/installing/