

Python Installation & Configuration

1. Installation

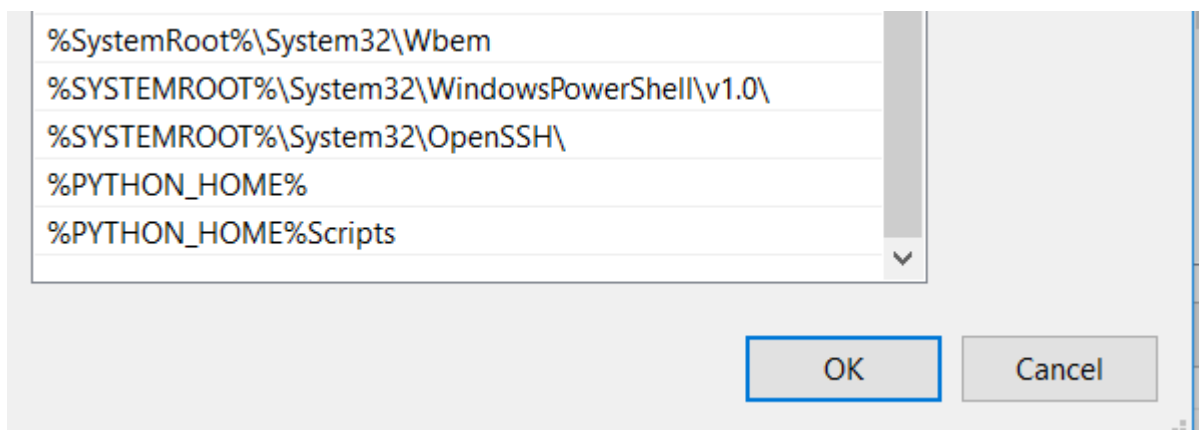
Install Anaconda and Spyder from
<https://www.anaconda.com/download/>

2. Environmental Setup

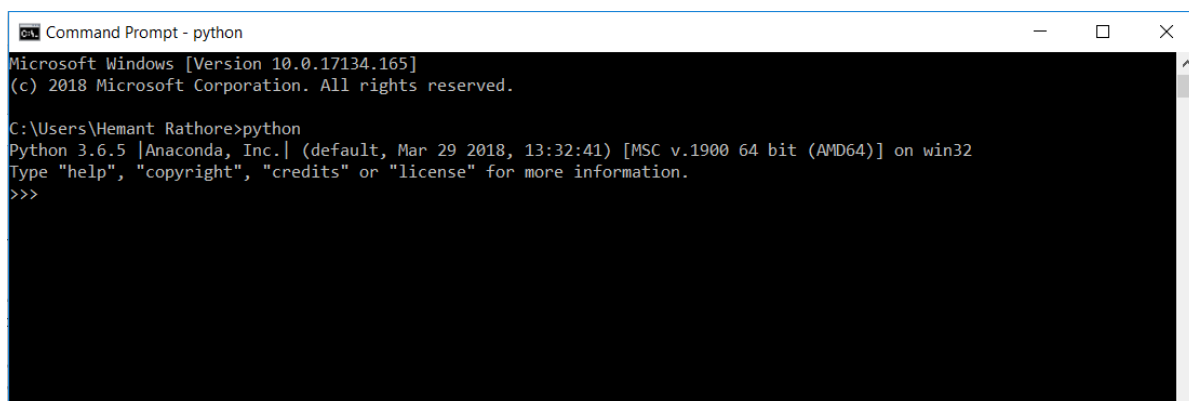
2.1. Add Python home to System Path variable –

- 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:



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/>