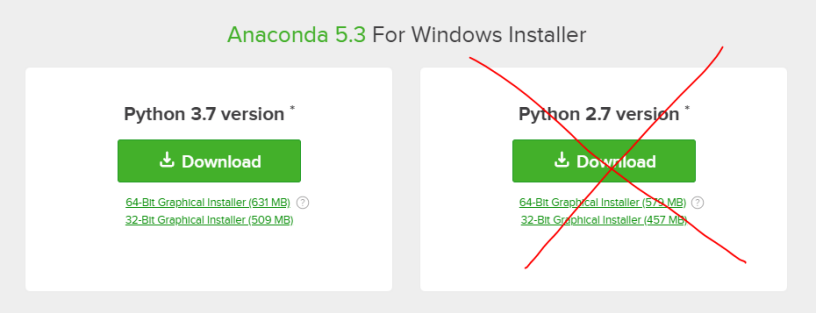
Python Workshop

Installation Instructions

Installation

- Install the latest version of Anaconda (**Python version 3.7**, not version 2**)** on your local machine from https://www.anaconda.com/download/



- Also **install the extra packages** for Python by going to **Start → Anaconda3 → Anaconda Prompt** (PC Users) or the terminal (Mac/Linux users) and type:

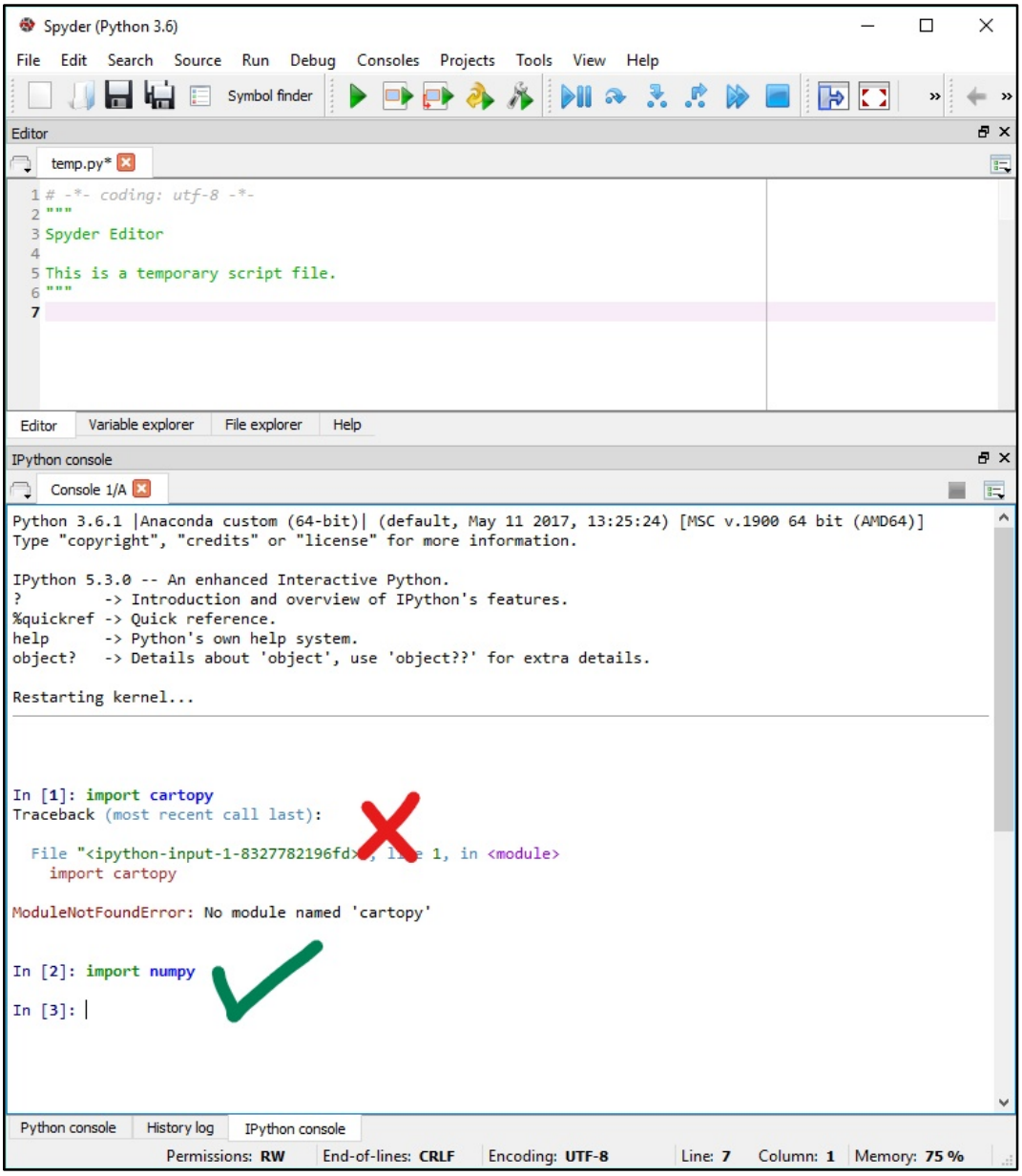
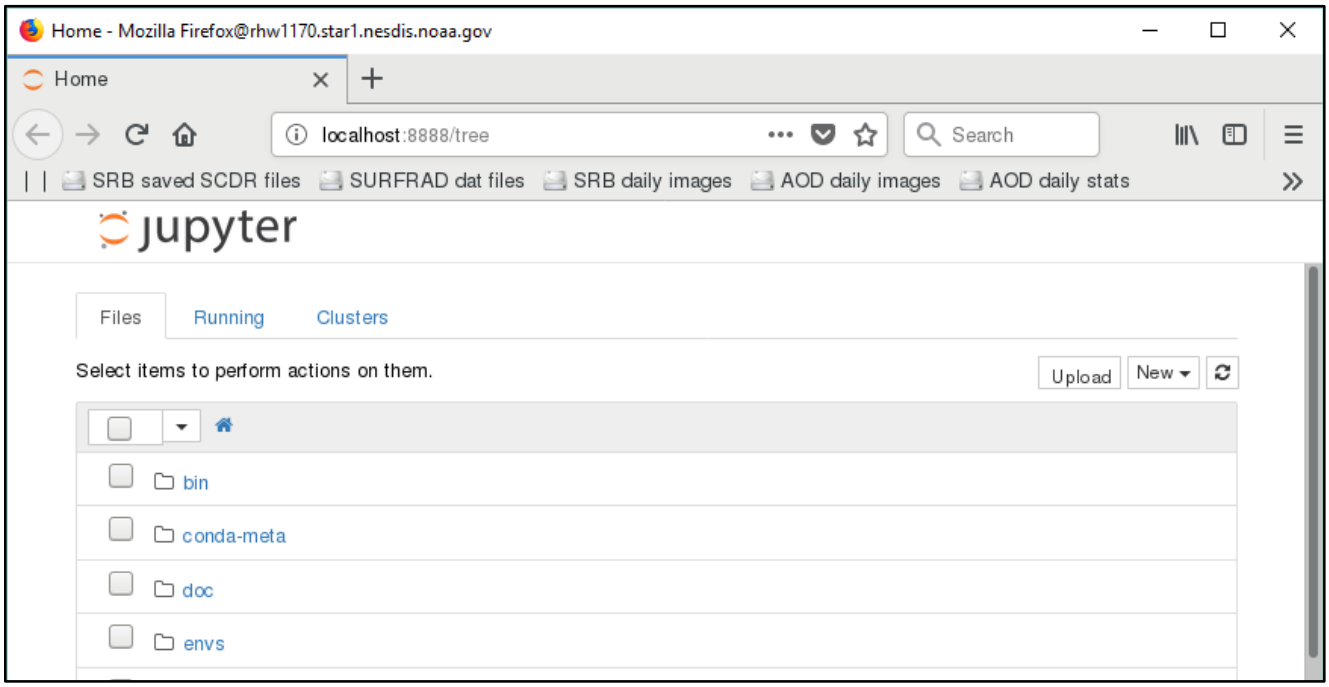
  conda install -c conda-forge cartopy

  conda install -c conda-forge xarray

  conda install -c conda-forge pyresample

Check if the build works

1. **Test Spyder**
   - **Launch Spyder**
     - *Mac Users*: Open **Anaconda Navigator** and you will how to launch **Spyder**
     - *PC Users*: Go to **Start → Anaconda3 → Spyder**
     - *Linux Users:* Type **spyder** into the terminal
   - In the Spyder console, type **import cartopy** and hit **enter**. See below for an example.
     - If no errors print, the package loaded successfully.


Spyder (Python 3.6)
File Edit Search Source Run Debug Consoles Projects Tools View Help
Symbol finder
Editor
temp.py*
1 # -*- coding: utf-8 -*-
2 """
3 Spyder Editor
4
5 This is a temporary script file.
6 """
7
Editor Variable explorer File explorer Help
IPython console
Console 1/A
Python 3.6.1 |Anaconda custom (64-bit)| (default, May 11 2017, 13:25:24) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.
IPython 5.3.0 -- An enhanced Interactive Python.
? -> Introduction and overview of IPython's features.
%quickref -> Quick reference.
help -> Python's own help system.
object? -> Details about 'object', use 'object??' for extra details.
Restarting kernel...
In [1]: import cartopy
Traceback (most recent call last):
File "<ipython-input-1-8327782196fd>", line 1, in <module>
import cartopy
ModuleNotFoundError: No module named 'cartopy'
In [2]: import numpy
In [3]:
Python console History log IPython console
Permissions: RW End-of-lines: CRLF Encoding: UTF-8 Line: 7 Column: 1 Memory: 75 %

2. **Test Jupyter Notebooks**
    - **Launch Jupyter Notebooks**
        - *PC Users*: Go to **Start -> Anaconda3 → Jupyter Notebook**
        - *Mac/Linux Users:* Type **jupyter notebook** into the terminal
    - If it succeeds, a browser window will launch and you'll see something like this: