# How to set up Visual Studio Code for Python/Jupyter Notebook

Created by Xiaorui | Last edited 09-28-2022

Most of this is taken directly from here:

**Jupyter Notebooks in Visual Studio Code**

<https://opensourceoptions.com/blog/jupyter-notebooks-in-visual-studio-code/>

and here

**Setup Anaconda (Python) to Work With Visual Studio Code on Windows**

<https://opensourceoptions.com/blog/setup-anaconda-python-to-work-with-visual-studio-code-on-windows/>

Do this:

1. Start by connecting to server 4, 5, or 6
2. Note that Visual Studio Code is already installed and so is Anaconda
3. Text

   Description automatically generated with medium confidenceOpen up Visual Studio Code
4. Start from step 2 in the first link: install VSC Extensions
   1. Click the extensions button on the left panel (or Ctrl + Shift + X)
   2. In the search bar that says Search Extensions in Marketplace, search for and install these extensions (skip if already installed)
      1. **Python** (author: Microsoft)
      2. **Pylance** (author: Microsoft)
      3. **Live Server** (author: Ritwick Dey)
      4. **Jupyter** (author: Microsoft)
      5. **Jupyter Keymap** (author: Microsoft)
      6. **Jupter Notebook Renderers** (author: Microsoft)
5. For step 3 you’ll have to follow some of the instructions in the 2nd link
   1. Select Python Interpreter:
      1. CTRL + SHIFT + P and search for “Select Interpreter”
      2. Click “Enter Interpreter Path”
      3. Click “Find”
      4. Navigate to and select C:\ProgramData\Anaconda3\python.exe
   2. Create Python environment:
      1. Text

         Description automatically generated with medium confidenceWindows search box -> Anaconda Prompt (anaconda3)
      2. In the terminal window, type in
         1. conda create –name myenv python=3.9
         2. At the prompt, type y for yes
         3. Conda asked me to update, which is this line of code:
            1. conda update -n base -c defaults conda
         4. Switch to the environment you just created (myenv)
            1. conda activate myenv
         5. Install Jupyter
            1. conda install jupyter
         6. Not sure if all of that worked b/c you need admin access at the end
6. But now you can make a jupyter notebook (.ipynb)!
   1. Several ways to do this, but one way is File🡪 Open folder and select the directory where your files are going to go (for example: H:\GitHub\uthealth-dw\greenplum\datawarehouse\QA\qa-all-db-checks\)
   2. If not already selected, first icon on the top on left-hand bar shows the explorer
   3. Right-click the folder where you want things to go, then new file… and give it a name that ends in the extension .ipynb (Ex. new-file.ipynb)
   4. From there, you can start coding!