# Python Setup for Little Pictures

# Hello fellow data visualizer!

This handy guide will walk you through the necessary steps to set up Python and Jupyter Notebook on your machine to create little pictures using Python code.

# You will Need

A computer with internet access and admin rights. Note: You can recreate the notebooks using browser-based notebook environments too if you run into trouble installing python.

# Local Installation:

We'll go through the installation process using Anaconda, which is an open-source distribution that simplifies package management and deployment for Python.

## On Windows:

1. Download and Install Anaconda:
    - Visit the Anaconda Downloads page and download the appropriate version for your system (usually the 64-bit Graphical Installer for Windows).
    - Once downloaded, open the installer and follow the on-screen prompts. Choose the "Just Me" option, and ensure the "Add Anaconda to my PATH environment variable" and "Register Anaconda as my default Python" boxes are checked.
2. Launch Jupyter Notebook:
    - Open the Anaconda Navigator application from your Start Menu.
    - Click on the "Launch" button under the Jupyter Notebook panel. This should open a new tab in your web browser showing the Jupyter file browser.

## On macOS:

1. Download and Install Anaconda:
    - Visit the Anaconda Downloads page and download the macOS installer.
    - Open the downloaded file and follow the installation instructions.
2. Launch Jupyter Notebook:
    - Open a Terminal window.
    - Type `jupyter notebook` and hit Enter. This will open a new tab in your default web browser showing the Jupyter file browser.

# Cloud-based Python Environment:

If you prefer to skip the local installation you can use cloud-based alternatives:

1. Visit Google Colab (it's free but you will need a Google Account)
2. Click on "New Notebook" from the Menu on top and then use the "Upload Notebook" option to upload one of the notebooks provided for the little pictures.

1. Visit noteable.io (it's free but you will need an Account)
2. In your workspace click on "Upload" to upload one of the notebooks provided for the little pictures.

That's it! You've successfully set up a Python environment using Jupyter Notebook. You now should be able to programmatically recreate the little pictures provided or create your own.

Happy coding!