

<https://github.com/Joearmijo/jupyter-exploration>

Lab Reflection

What I Did:

In this lab, I engaged with GitHub and Jupyter Notebooks to familiarize myself with these essential tools. First, I created a GitHub account by signing up with a username, email, and password. After logging in, I explored the GitHub interface, focusing on key features like repositories, issues, and pull requests. Next, I set up a new repository named `jupyter-exploration`, initialized it with a README file, and made my first commit to include a brief description of the lab.

For the Jupyter Notebook installation, I followed the tutorial and used `pip` to install Jupyter. I verified the installation with `pip show jupyter`. I then launched Jupyter Notebook, explored its interface, and created a new notebook. In this notebook, I added both Markdown and Code cells, executed a simple Python script to print "Hello, World!", and saved the notebook before uploading it to my GitHub repository.

What I Learned:

Through this lab, I learned to use GitHub for managing code and documentation, including creating repositories, making commits, and understanding the basics of version control, which is crucial for tracking changes and collaborating on projects. Additionally, I became familiar with Jupyter Notebooks, learning how to create and manage notebooks, using Markdown for text, and running Python code interactively. This tool is valuable for data analysis and coding tasks because of the ability to combine code, text, and visualization in a single document.

Challenges:

I encountered a few challenges, such as ensuring that Jupyter Notebook was installed correctly and accessible. I attempted to fix the issue by checking the installation path and adjusting the system's path environment variable. Additionally, using the command `python -m jupyter notebook` helped bypass the issues. I found additional help with this link.

<https://stackoverflow.com/questions/41034866/how-to-fix-jupyter-is-not-recognized-as-an-internal-or-external-command-oper>

Overall, the lab provided a solid introduction to GitHub and Jupyter Notebooks, equipping me with practical skills for future projects.