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ITAI 1378

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**Introduction:**

The lab session introduced me to GitHub and Jupyter Notebook. This reflection explores my experience setting up these tools, performing basic operations, and reflecting on the learning process.

**Description of Experience:**

During the lab, I started by setting up a GitHub account. I then explored its features like repositories and issues. I created a new repository called "jupyter-exploration" and made my first commit by editing the README file. Next, I installed Jupyter Notebook and familiarized myself with its interface. I created a notebook, added both Markdown and code cells, and executed the Python script. Finally, I saved and uploaded the notebook to my GitHub repository.

**Personal Reflection:**

It took a little while to understand GitHub's UI; this is my first time making an account. I have worked with Jupyter in other classes I am taking this semester. Connecting these experiences with what I had learned in class about version control, I realized the power of GitHub in collaborative coding projects. While GitHub was initially challenging, I quickly adapted by reviewing the help guides.

**Discussion of Improvements and Learning:**

This lab session contributed significantly to my technical growth, particularly in version control and managing code projects efficiently. I developed an understanding of using both GitHub and Jupyter Notebook, which will be valuable for future coursework and collaborative coding projects. Going forward, I plan to use GitHub more regularly to keep track of my work and collaborate with others effectively.

**Conclusion:**

Overall, this lab experience taught me the basics of GitHub and Jupyter Notebook, which are crucial tools in modern programming. I look forward to applying these skills in future projects to manage my work more efficiently and collaboratively.