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Lab Report on Jupityr and GitHub

In this lab, I practiced using Github and Jupyter Notebooks, learning about version control, project releases, updates, and Jupityr ecosystem. The lab involved creating a GitHub repository, and used Jupyter Notebook to run example code and markdown text.

I first went to GitHub, and created an account. After account creation, I navigated around the interface, having used GItHub before. Downloading programs from GitHub is a norm for me, but posting was entirely different. I went through repositories, issues, and pull requests. After creating my account and navigating around, I created my own repository. I named my new repository “jupityr exploration”. Once the repository was created, I edited a readme with some info. After the GitHub process was completed, I installed Jupityr notebook via command prompt. After following the setup instructions, I created a new notebook, added a markdown cell, and created code cell for practice. My code cell printed “Hello, World!” , and I said goodbye to the notebook, saving it, downloading it, then getting it ready to submit.

In doing this lab, I learned about Github repositories, project management, and how to track changes in projects. While using Jupityr I became more familiar with the Notebooks system as an environment, where code and text can all be written. I learned that Jupityr Notebook allows for markdown cells, as well as code, meaning you can code and type seamlessly. This integrates perfectly with GitHub, as I can edit my projects on Jupityr, and then upload them to GItHub. While working, I realized I had installed a previous version of Jupityr Lab on my pc, this caused no issues, but was my only challenge faced in the process.

Overall, this lab gave me the perfect hands-on experience needed to get ready with GitHub, and Jupityr Notebooks. The tools for version control, as well as a solid development environment, prepare me for their inevitable use, especially in this class.

Link: https://github.com/jakecybr/jupyter-exploration