**GitHub and Jupyter Notebook Exploration**

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**Course:** ITAI1378  
**Assignment:** L03a - GitHub and Jupyter Notebook Exploration  
**GitHub Repository Link:** https://github.com/Rubenvalenzuelaaa/jupyter-exploration.

**What I Did:**

1. **Set Up GitHub Account & Repository**
   * Created a GitHub account.
   * Explored the GitHub dashboard to understand repositories, issues, and pull requests.
   * Created a new repository named "jupyter-exploration" and initialized it with a README file.
   * Edited the README file to describe the lab session and committed the changes.
2. **Worked with Jupyter Notebooks in Google Colab**
   * Opened Google Colab and created a new Jupyter Notebook.
   * Added a Markdown cell with the text: "My first Markdown cell in Jupyter."
   * Added a code cell and wrote a simple Python program: print("Hello, World!").
   * Ran the cells to observe the output.
3. **Saved and Uploaded the Notebook to GitHub**
   * Saved the notebook as Jupyter\_Notebook.ipynb.
   * Downloaded the .ipynb file to my computer.
   * Uploaded the file to my GitHub repository through the GitHub web interface.
   * Verified that the notebook was accessible in the repository.

**What I Learned:**

* **GitHub Basics**: I gained a better understanding of how repositories, commits, and file management work on GitHub.
* **Version Control**: Learned how to make commits and track changes in a repository.
* **Jupyter Notebook Fundamentals**: Learned how to create and execute Markdown and code cells in a Jupyter Notebook.
* **Colab Integration**: Google Colab is an easy-to-use online environment for working with Jupyter Notebooks without requiring local installation.
* **File Uploading**: Understood the process of saving, downloading, and uploading files to a GitHub repository.

**Questions or Comments:**

* The process of linking Jupyter Notebooks with GitHub was straightforward, but I wonder if there are more efficient ways to automate the uploading of notebooks.

This was a great introduction to GitHub and Jupyter Notebooks, and I look forward to using these tools in future assignments!