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ITAI 1378
September 11, 2024

L03 Summary

Doing this lab was really refreshing, I started programming with HTML, CSS, JavaScript & Java. Working with Python has been a fresh air for me, and also a challenge learning and getting familiar with the syntax. Although I already had a GitHub account I never really utilized it, tested its capabilities, and as so simple uploaded a file. Being very familiar with the potential of GitHub, and its uses I love the fact being able to truly start my first repository to see how it works & get familiar with the basic functionalities of creating one. I signed into my GitHub account which honestly was collecting dust at this point, took some time exploring the interface, and the functions that I could utilize. Created my first repository with the name assigned for this assignment, made sure I initialized it with a README. I then edited the README file with a brief description of what this lab has entails.

I luckily already had Jupyter notebooks installed on my computer because I knew that it was going to be an essential program used for my classes. Proceeding I created a notebook, I followed the instructions which stated making the first cell a markdown cell. I inserted the simple text for my markdown cell, which was honestly my first time using this feature. I was very unfamiliar with it which led to me doing external research to understand what a markdown cell actually is, and what are the benefits of using one. I will explain what I learned from that later trying to keep everything in order. Next I proceeded to print the simple command “Hello World!” In Jupyter notebooks. I ran the code, and it executed flawlessly being a very simple command, expecting that. I then saved the project as the specified file name, and downloaded it to my computer in the “ipynb” format to be able to upload it to my GitHub repository. I went to my GitHub repository, clicked add file, then uploaded the correct file to be used along with the README file that was edited earlier as instructed by my professor. No issues concurred and everything went smooth so I was very satisfied by that.

The most important thing that I learned during this whole process was getting familiar with the repository in GitHub. Understanding that GitHub is a platform where programmers from everywhere in the world get together, and collaborate on programs, & projects etc. It felt nice to get some understanding on the basics, and the steps needed to actually implement this process. On accident I uploaded a wrong file to my repository, and had to figure out how to delete it, in order for everything to stay organized, and efficient with no errors. Analyzing the best approach to this I came to the decision to delete my repository entirely, and create another one with all the correct files, because I tried to delete a single file but for some reason couldn't get it to disappear from my workspace. I love the fact that I'm learning to combine files with different platforms to merge for a greater purpose.

Knowing that this course is still in the early stages of my learning, I appreciate getting a feel for what this industry has in store, & gaining insight on how the more experienced developers navigate through this. Every time I use the Jupyter notebooks application, essential knowledge is gained in the process. Referring back to the markdown cell which was mentioned earlier. After doing some research on what it actually is, I learned the markdown cell is very familiar & related to comments in programming, and has also been said to more powerful as far as using them in Jupyter notebooks. It stands out because of the distinct formatting, visual capabilities, readability, organization, separation of code and documentation, interactivity, and embedding code blocks. That was a great lesson a learning point for me throughout this lesson.

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

Cited Sources

The Jupyter Notebook — Jupyter Notebook 7.2.2 documentation. (n.d.). <https://jupyter-notebook.readthedocs.io/en/stable/notebook.html#markdown-cells>

Writing on GitHub - GitHub Docs. (n.d.). GitHub Docs. <https://docs.github.com/en/get-started/writing-on-github>