Assignment L03 Lab ITAI 1378

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**Laboratory session**

This lab session was very refreshing as I have not used some of the tools like GitHub for longer period.

Initially, I have requested a new password for my GitHub account as I already had my account created in the past.

Since I was already familiar with the environment, I have created a new repository named “Jupyter-exploration” as per the instruction from the laboratory assignment. Furthermore, I have edited the readme file, to include a brief description of the about this laboratory session “I have created this repository as part of our Team lab assignment to explore the Jupyter Notebook capabilities.”

Since I already have installed Jupyter Notebook in the past, I have skipped the installation part and started to work on the assignment. I have created new notebook, named it: My\_First\_Notebook\_DEMEL.ipynb. In the fil, I have created a markdown cell including and changed the font to bold by adding “\*\*” at the beginning and the end of the intended text. Continuing with the assignment, I have also added the Hello Word written in the code language: “print("Hello, World!")” as can be seen in figure 1.

A white rectangular object with a black border

Description automatically generated with medium confidence

Figure 1 – Screenshot of the Jupyter enviroment with the code used as part of the laboraty exercise.

By doing so I have accomplished the laboratory assignment, and I was ready to upload the file to GitHub to further share the results from the laboratory test.

**Learning and Development**

I was very pleased to see the changes that were implemented for the GitHub. I was impressed by the GitHub copilot functionality, so I have further explored what it can offer.

I am also currently exploring the capabilities when it comes to Jupyter interactive data visualization as this is something that I might use at my work.

I primarily work in Microsoft Visual Code, which is more focused on general coding, where Jupyter is focused on coding with data analysis and visualization. I will continue to explore the capabilities of thy Jupyter.

Link to GitHub: <https://github.com/martindemel/jupyter-exploration>