Lab 1

AutoGen Workbench

Instructions:

- 1. Complete the tasks and steps listed under the Requirements section below.
- 2. Participate in the Lab Discussions on Canvas/Module 1

Requirements:

- 1. Install Python 3.10 from this URL:
 - https://www.python.org/downloads/release/python-3100/
- 2. Install VS Code from this URL:
 - https://code.visualstudio.com/download
- 3. Check python versions installed on your computer and verify that you have Python 3.10 installed by executing from the terminal/window the command:
 - py –list
- 4. Create python 3.10 virtual environment by executing the following commands from the terminal/window:
 - py -3.10 -m pip install virtualenv
 - py -3.10 -m virtualenv venv-autogen
 - venv-autogen\Scripts\activate
- 5. From venv terminal/window, execute the following commands to install pyautogen:
 - pip install uv
 - uv pip install pyautogen
- 6. Use your personal email account to create a login and API KEY for OpenAI gtp-3.5-turbo from this URL:
 - https://platform.openai.com/api-keys

- 7. Set up your environment variables for OpenAl Key
 - set OPENAI_API_KEY=ADD_YOUR_OPENAI_API_KEY_HERE
- 8. Use your school email or gmail account and enroll in AutoGen course for free
 - https://learn.deeplearning.ai/courses/ai-agentic-design-patternswith-autogen/lesson/1/introduction
 - Complete the entire set of videos for AutoGen
 - Run Lesson 6 on you rpersona, I development computer:
 https://learn.deeplearning.ai/courses/ai-agentic-design-patterns-with-autogen/lesson/7/planning-and-stock-report-generation

