## Insight Forge Assistant 🤖💡Capstone: Helper Guide:

#### **Introduction**

This guide will walk you through the steps to execute a Python script and run a Streamlit application in your terminal. Start by preparing your script, running it, and then accessing the Streamlit interface to interact with it.

### **Step 1: Download Jupyter Notebook as an Executable Script**

1. **Download the Jupyter Notebook as a Python Script**:
   * Open your Jupyter Notebook.
   * Go to File > Save and Export notebook as > Executable script(.py).
   * Save the file to your desired location in the lab.

### **Step 2: Prepare the Python Script**

1. **Remove Print Statements**:
   * Open the downloaded .py file in any text editor or Environment (IDE)
   * Remove or comment out all the print statements to avoid unnecessary console output when running Streamlit.
   * Remove any statement where a variable is called, to display the output. Attend to this caveat.

For example, if your script contains:  
Python code:  
print("Processed texts saved to 'processed\_texts.pkl'")

You should remove or comment it out:  
# print("Processed texts saved to 'processed\_texts.pkl'")

### **Step 3: Install Streamlit and Required Libraries**

1. **Install Streamlit**:
   * Open your terminal (Command Prompt, PowerShell, or terminal in your IDE).

Install Streamlit using pip if you haven't already:  
pip install streamlit

### **Step 4: Run the Streamlit Application**

1. **Run Streamlit in the Terminal**:
   * Navigate to the directory where your Python script is located. You can use the cd command in the terminal.

Once you are in the correct directory, run your script using Streamlit:  
streamlit run your\_script\_name.py

* + Replace your\_script\_name.py with the actual name of your script file.

1. **Open Streamlit Interface**:
   * After running the above command, Streamlit will start a local web server and provide you with a URL, typically something like <http://localhost:8501>.
   * For a better viewing experience in the lab itself, you can access the streamlit port which is provided on the top of the page along the left side along with jupyterlab and jupyter
   * You should see the Streamlit interface where you can interact with your application.

### **Example Terminal Commands**

1. Assuming your script is named business\_intelligence\_app.py and located in ~/projects/:
2. Navigate to the script directory:  
   cd ~/projects/
3. Run the Streamlit app:  
   streamlit run business\_intelligence\_app.py
4. Open Streamlit port in the lab that has already been set up
5. If the app needs to stopped, go to the command prompt where the code is running and just press <ctrl>+c

**Conclusion**

By following these steps, you can successfully execute your Python script and run your Streamlit application. This allows you to view and interact with the interface, making it easier to analyze and visualize your data. Happy coding!