**Automate Snowflake Object Setup**

There are two different environments to deploy. For a detailed deployment , please follow the steps below.

**Python Requirements:**

* Install the latest version of python in Local System.
* Install Required Libraries that used for this User-case in command prompt:

**Streamlit**: Itis an open-source app framework in Python used tocreate web apps in a short time.

**pip install streamlit**

**Snowflake-connector-python:** This Connector delivers the interface for developing Python applications that can connect to a Cloud Data Warehouse and perform standard functions. It supports all standard operations such as query execution, accessing data from an external source, and many more.

**pip install snowflake-connector-python**

**Plotly:** Library is an open-source library that can be used for data visualization and understanding data simply and easily.

**pip install plotly**

**streamlit\_echarts:** library typically used in User Interface, Chart applications.

**pip install streamlit-echarts**

**Altair** is a Python library designed for statistical visualization.

**pip install altair**

**Pandas**: library that provides flexible high-level data structures and a variety of analysis tools. It eases data analysis, data manipulation, and cleaning of data.

**pip install pandas**

**StringIO:** Since a StringIO object is a file-like object, we can use the [file handling operations](https://medium.com/techtofreedom/file-handling-in-python-daee4586a64) to read it.

**Htbuilder:** lets you build HTML strings using a purely functional syntax in Python.

**pip install htbuilder**

Or all the required libraries available in **requirements.txt** file and can be installed using below command.

**pip install -r requirements.txt**

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To execute the python files, run below commands in terminal.

**streamlit run filename.py (or) python -m streamlit run filename.py**

**Snowflake Requirements:**

* Deploy the attached Scripts (Stored Procedures, views, functions & tables) used for this Use case in Snowflake.



**Config login File Template:**

* Use the below login file template to create config login file.



Note: Each query must end with a semicolon (;) if the user chooses the Upload file option, and there must be no semicolons within any of the queries.

