You're encountering the ModuleNotFoundError: No module named 'src' when running python src/data\_ingestion.py directly from your terminal, despite having the src folder with \_\_init\_\_.py. This is a very common Python import behavior issue when you're not executing the script from the top-level directory that contains your package.

**The Problem:**

When you run python src/data\_ingestion.py, Python sets the current working directory (src/) as the first entry in sys.path. When data\_ingestion.py then tries to from src.logger import get\_logger, Python looks for a package named src *within* the src/ directory, which obviously doesn't exist. It doesn't automatically look "up" the directory tree to find src at the project root (MID\_PROJECT\_EB).

**The Fix (for direct local execution):**

To resolve this, you need to execute your script from the **root directory of your project** (i.e., MID\_PROJECT\_EB), and then tell Python to run your data\_ingestion.py as a module.

1. **Navigate to your project's root directory in your terminal:**  
   Bash  
   cd C:\Users\eaditb\Documents\MID\_PROJECT\_EB
2. **Run data\_ingestion.py as a module:**  
   Bash  
   python -m src.data\_ingestion

**Explanation:**

* **cd C:\Users\eaditb\Documents\MID\_PROJECT\_EB**: By changing your current directory to MID\_PROJECT\_EB, you make MID\_PROJECT\_EB the starting point for Python's module search.
* **python -m src.data\_ingestion**:
* The -m flag tells Python to run a module as a script.
* When you use -m, Python adds the **current working directory** (MID\_PROJECT\_EB) to sys.path.
* Now, when src.data\_ingestion is executed, Python can correctly find src at MID\_PROJECT\_EB/src, and then logger within it, resolving the ModuleNotFoundError.

This method is for directly testing your data\_ingestion.py script locally outside of Airflow. If this data\_ingestion.py is being called by an Airflow DAG task, the solution involves configuring your docker-compose.yaml to ensure your project root is on Python's path within the Airflow containers (as discussed in previous interactions).