**PGAdmin**

* Create a new database and name it whatever you want
* Look in the “Alexei\_Schema.sql” file in my branch and create a new schema for each dataframe using the schema I wrote as an example.
* Load in all of your schemas
* Load each database(found in “OrgDataFrames” folder) to each schema you created
* Create a dataframe called: “Data” that looks like “data.csv” in my file except add links (keep row configuration the same). To do this:
  + Row-wise concatenate all “clean\_df” dataframes to create a consolidated clean df.
  + Use the “vendor\_table” to add “vendor\_id” and “location” columns
  + Use the “material\_description\_table” to add “product\_id” column
  + Use the “formatted\_datetime” to create a day of the week column (if this can’t be done in SQL, we can do it in Python but see if it can be done in SQL)
  + Do the same as the above for the “working\_df” dataframes to create a consolidated lowest prices df.
* The following is just for the consolidated clean\_dfs **=>** Filter out any rows with “material\_price” values > 75 in the following columns:
  + ½ in. x 10 ft. Electric Metallic Tube (EMT) Conduit
  + ¾ in. x 10 ft. Electric Metallic Tube (EMT) Conduit
  + 1 in. x 10 ft. Electric Metallic Tube (EMT) Conduit

|  |
| --- |
| * + 1/2 in. Electric Metallic Tube (EMT) Set-Screw Coupling (5-Pack) |
| * + 3/4 in. Standard Fitting Electric Metallic Tube (EMT) Set-Screw Coupling (5-Pack) |
| * + 1 in. Electric Metallic Tube (EMT) Set-Screw Coupling |
| * + 1/2 in. Electrical Metallic Tube (EMT) Set-Screw Connectors (5-Pack) |
| * + 3/4 in. Electrical Metallic Tube (EMT) Set-Screw Connector (5-Pack) |
| * + 1 in. Electrical Metallic Tube (EMT) Set-Screw Connector |

* Filter out any rows with “material\_price” values < 75 in the following column:

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| --- |
| * + 250 ft. 14/2 Romex SIMpull Solid NM-B W/G Wire |
| * + 250 ft. 14/3 Solid Romex SIMpull CU NM-B W/G Wire |
| * + 250 ft. 12/2 Solid Romex SIMpull CU NM-B W/G Wire |
| * + 250 ft. 12/3 Solid Romex SIMpull CU NM-B W/G Wire |

* Export your new databases CSVs. Call the consolidated clean df “Data” and the consolidated lowest prices df “Target”