Combining Magic card price data (table name: priceinfo, from <https://www.mtggoldfish.com/prices/paper/standard>) with Magic card info data (table name: cardinfo, from [https://www.kaggle.com/mylesoneill/magic-the-gathering-cards file AllCards.json](https://www.kaggle.com/mylesoneill/magic-the-gathering-cards%20file%20AllCards.json)):

**STEPS**

Step 1: download JSON file from the second link.

*See Magic the Gathering Data Frame.ipynb:*

Step 2: use pd.read\_json to create a DataFrame of the cardinfo data.

json\_file = "./AllCards.json"

mtg\_df = pd.read\_json(json\_file)

Step 3: transpose the data, so that the card names go down vertically – they become the index

mtg\_df = pd.DataFrame(mtg\_df.transpose())

Step 4: Clean up the dataframe so we have 4 well-named columns: name, convertedManaCost, text, type

clean\_mtg\_df = mtg\_df[["index","convertedManaCost", "text", "type"]]

clean\_mtg\_df = clean\_mtg\_df.rename(columns={"index":"cardname"})

Step 5: run the SQL Alchemy setup code – create engine, sqlite file, connect, create session

Step 6: push the pandas dataframe into the sqlite database

clean\_mtg\_df.to\_sql('cardinfo', con=engine)