def retrieve\_time\_series(api, series\_ID):

"""

Return the time series dataframe, based on API and unique Series ID

api: API that we're connected to

series\_ID: string. Name of the series that we want to pull from the EIA API

"""

#Retrieve Data By Series ID

series\_search = api.data\_by\_series(series=series\_ID)

##Create a pandas dataframe from the retrieved time series

df = pd.DataFrame(series\_search)

return df

###Execute in the main block

#Create EIA API using your specific API key

api\_key = "YOR API KEY HERE"

api = eia.API(api\_key)

#Pull the electricity price data

series\_ID='ELEC.PRICE.TX-ALL.M'

electricity\_df=retrieve\_time\_series(api, series\_ID)

electricity\_df.reset\_index(level=0, inplace=True)

#Rename the columns for easer analysis

electricity\_df.rename(columns={'index':'Date',

electricity\_df.columns[1]:'Electricity\_Price'},

inplace=True)

