

Query to retrieve all clear days

Spyder (Python 3.9)

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C:\Users\novan\OneDrive\Documents\CEIS110 Project files\QueryWeatherDb.py

BuildWeatherDb.py x QueryWeatherDb.py x

```

8
9 import sqlite3
10
11 import pandas as pd
12
13 #file names for database and output file
14 dbFile = "weather.db"
15
16 #format output
17
18 pd.set_option('display.max_rows', None)
19
20 pd.set_option('display.max_columns', None)
21
22 pd.set_option('display.width', None)
23
24 pd.set_option('display.max_colwidth', None)
25
26 pd.set_option('display.expand_frame_repr', False)
27
28 #connect to and query weather database
29
30 conn = sqlite3.connect(dbFile)
31
32 #Create SQL command
33
34 selectCmd = "SELECT temperature, windspeed, t
35
36 #print out the query
37
38 result = pd.read_sql_query(selectCmd, conn)
39
40
41 print(result)

```

Name	Type	Size	Value
count	int	1	209
country	str	2	US
createTableCmd	str	448	CREATE TABLE IF NOT ...
cur	Cursor	1	Cursor object of sqlite3 module
dbFile	str	10	weather.db
dropTableCmd	str	34	DROP TABLE IF EXISTS observations;
endDate	str	20	2022-11-21T23:59:59Z

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Console 1/A x

```

107 -0.6 0.00 Clear
108 1.1 0.00 Clear
109 0.3 0.00 Clear
110 0.7 0.00 Clear
111 1.0 0.00 Clear
112 2.8 0.00 Clear
113 4.2 0.00 Clear
114 7.1 0.00 Clear
115 9.1 5.40 Clear
116 10.0 14.76 Clear
117 9.9 0.00 Clear
118 9.2 11.16 Clear
119 8.7 12.96 Clear

```

In [5]:

IPython Console History