

Query to retrieve lowest and highest temperatures

```

8
9 import sqlite3
10
11 import pandas as pd
12
13 #file names for database and output file
14
15 dbFile = "weather.db"
16
17 #format output
18
19 pd.set_option('display.max_rows', None)
20
21 pd.set_option('display.max_columns', None)
22
23 pd.set_option('display.width', None)
24
25 pd.set_option('display.max_colwidth', None)
26
27 pd.set_option('display.expand_frame_repr', False)
28
29 #connect to and query weather database
30
31 conn = sqlite3.connect(dbFile)
32
33 #Create SQL command
34
35 selectCmd = " SELECT MIN(temperature), MAX(temperature) FROM observations;"
36
37 #print out the query
38
39 result = pd.read_sql_query(selectCmd, conn)
40
41 print(result)

```

Name	Type	Size	Value
count	int	1	209
country	str	2	US
createTableCmd	str	448	CREATE TABLE IF NOT EXISTS observations;
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

```

In [3]: runfile('C:/Users/novan/OneDrive/Documents/CEIS110
Project files/QueryWeatherDb.py', wdir='C:/Users/novan/
OneDrive/Documents/CEIS110 Project files')
MIN(temperature)  MAX(temperature)
0                -7.2             12.0

In [4]:

```