

Query to retrieve  
all columns and  
all rows

The screenshot shows a Jupyter Notebook interface with a dark theme. The main area displays a Python script for building a weather database and querying it. The script uses `sqlite3` and `pandas` to connect to a database, create a table, and retrieve all data. The right sidebar contains a 'Table' view showing the structure of the data, and a 'Console' view showing the output of the query.

```
# Run BuildWeatherDB.py to build weather database before
import sqlite3
import pandas as pd

#file names for database and output file
dbFile = "weather.db"

#format output
pd.set_option('display.max_rows', None)
pd.set_option('display.max_columns', None)
pd.set_option('display.width', None)
pd.set_option('display.max_colwidth', None)
pd.set_option('display.expand_frame_repr', False)

#connect to and query weather database
conn = sqlite3.connect(dbFile)

#Create SQL command
selectCmd = " SELECT * FROM observations ORDER BY timestamp"

#print out the query
result = pd.read_sql_query(selectCmd, conn)

print(result)
```

Name	Type	Size	
count	int	1	20%
country	str	2	US
createTableCmd	str	448	CF
cur	Cursor	1	Cur
dbFile	str	10	wea
dropTableCmd	str	34	DRK
endDate	str	20	20%

Console 1/A x

```
132 2022-11-18T18:55:00+00:00 12.9
8.8 32.028180 210.0
102030.0 16090
133 2022-11-18T19:55:00+00:00 11.1
8.5 33.962699 180.0
102000.0 16090 Mostly
134 2022-11-18T20:55:00+00:00 11.1
8.1 34.896489 180.0
101970.0 16090 Mostly
135 2022-11-18T21:55:00+00:00 9.3
7.9 37.032640 190.0
101930.0 16090 Partly C
136 2022-11-18T22:55:00+00:00 11.1
7.7 38.116114 230.0
102000.0 16090 Mostly C
```