Thursday 2/20

Welcome! ▣

Announcements:

- Exercises g14, g15 are posted and due Friday 2/21

Tips:

- VS Code Rainbow CSV Extension SQL Query mode

Screenshot 1

RBQL Console - Visual Studio Code

weather.csv   RBQL Console ✕

NR	a1	a2	a3
1	Local Hour	Summary	Temperature (F)
2	1/1/2014 0:00	Clear	40.36
3	1/1/2014 1:00	Clear	38.11
4	1/1/2014 2:00	Clear	38.65
5	1/1/2014 3:00	Clear	38.47
6	1/1/2014 4:00	Clear	38
7	1/1/2014 5:00	Clear	38.85
8	1/1/2014 6:00	Partly Cloudy	39.36
9	1/1/2014 7:00	Clear	37.86
10	1/1/2014 8:00	Clear	38.97

« ‹ › »

Example: SELECT a1, a2 WHERE a2 != 'foobar' ORDER BY a1 LIMIT 10   ▲   Run   ?

⚙ **Query settings**

☐ Input table has header

Output format
Same as input (Default)

Encoding
UTF-8

main ⊗ 0 ⚠ 0 ✓ 0

Screenshot 2

RBQL Console - Visual Studio Code

weather.csv   RBQL Console ✕   weather.csv.csv

NR	a1	a2	a3
1	Local Hour	Summary	Temperature (F)
2	1/1/2014 0:00	Clear	40.36
3	1/1/2014 1:00	Clear	38.11
4	1/1/2014 2:00	Clear	38.65
5	1/1/2014 3:00	Clear	38.47
6	1/1/2014 4:00	Clear	38
7	1/1/2014 5:00	Clear	38.85
8	1/1/2014 6:00	Partly Cloudy	39.36
9	1/1/2014 7:00	Clear	37.86
10	1/1/2014 8:00	Clear	38.97

« ‹ › »

select * where a3>100   ▲   Run   ?

⚙ **Query settings**

☐ Input table has header

Output format
Same as input (Default)

Encoding
UTF-8

main ⊗ 0 ⚠ 0 ✓ 0

weather.csv.csv - Visual Studio Code

weather.csv | RBQL Console | weather.csv.csv ✕

C: > Users > wilcoxen > AppData > Local > Temp > weather.csv.csv

```
 1  8/7/2014 16:00,Partly Cloudy,100.69
 2  8/7/2014 17:00,Partly Cloudy,101.05
 3  8/7/2014 18:00,Clear,100.15
 4  8/8/2014 16:00,Clear,100.53
 5  8/8/2014 17:00,Clear,100.03
 6  8/8/2014 18:00,Partly Cloudy,100.15
 7  8/16/2014 16:00,Clear,100.54
 8  8/16/2014 17:00,Clear,100.54
 9  8/21/2014 16:00,Clear,100.25
10  8/21/2014 17:00,Clear,100.3
11  8/22/2014 16:00,Clear,100.28
12  8/22/2014 17:00,Clear,100.1
13
```

main ⊗ 0 ⚠ 0 ✓ 0 CSVLint Query Align Rainbow OFF Copy Back Spaces: 4 UTF-8 LF CSV

RBQL Console - Visual Studio Code

weather.csv | RBQL Console ✕

NR	a1	a2	a3
7	1/1/2014 5:00	Clear	38.85
8	1/1/2014 6:00	Partly Cloudy	39.36
9	1/1/2014 7:00	Clear	37.86
10	1/1/2014 8:00	Clear	38.97
11	1/1/2014 9:00	Clear	45.85
12	1/1/2014 10:00	Clear	51.42
13	1/1/2014 11:00	Clear	57.66
14	1/1/2014 12:00	Partly Cloudy	60.49
15	1/1/2014 13:00	Clear	63.36
16	1/1/2014 14:00	Clear	65.15
17	1/1/2014 15:00	Clear	64.19

« ‹ › »

```
select * where like(a2,"%Snow%")
```
▲ Run ?

⚙ **Query settings**

☐ Input table has header

Output format
```
Same as input (Default)     ▼
```

Encoding
```
UTF-8     ▼
```

main ⊗ 0 ⚠ 0 ✓ 0

weather.csv.csv - Visual Studio Code

weather.csv   RBQL Console   weather.csv.csv ✕

C: > Users > wilcoxen > AppData > Local > Temp > weather.csv.csv

```
1   1/23/2014 20:00,Light Snow and Breezy,28.03
2   1/23/2014 22:00,Light Snow,27.51
3   1/23/2014 23:00,Light Snow,27.37
4   1/24/2014 0:00,Snow,26.27
5   1/24/2014 1:00,Snow,25.51
6   1/24/2014 2:00,Snow,25.27
7   1/28/2014 6:00,Light Snow,28.42
8   1/28/2014 7:00,Light Snow,27.29
9   1/28/2014 8:00,Light Snow,27.05
10  1/28/2014 9:00,Light Snow,26.7
11  3/3/2014 23:00,Light Snow,32
12  3/4/2014 0:00,Light Snow,31.34
13  3/4/2014 1:00,Light Snow,31
14  3/4/2014 2:00,Snow,30.76
15  3/4/2014 3:00,Snow,30.76
16  3/4/2014 4:00,Snow,30.32
17  3/4/2014 5:00,Light Snow,30.76
18  3/4/2014 6:00,Snow,30.19
19
```

main   ⊗ 0 ⚠ 0   ✓ 0   CSVLint   Query   Align   Rainbow OFF   Copy Back   Spaces: 4   UTF-8   LF   CSV