

NOSQL (Couchbase Session) : - Anish Mathew (Technical Delivery Manager)

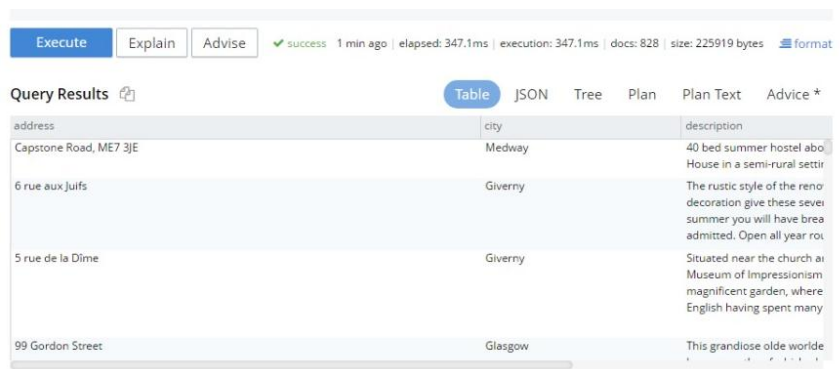
- Submitted by : Kavita Goodwani (AU July 2020)

1. Find all hotels with ratings for Cleanliness>=4

Query :

```
select address,city,description from `travel-sample` where type="hotel" and reviews[*].ratings[*].Cleanliness>=4;
```

Solution:



The screenshot shows the Couchbase Query Results interface. At the top, there are buttons for 'Execute', 'Explain', and 'Advise'. Below these, a status bar indicates 'success 1 min ago | elapsed: 347.1ms | execution: 347.1ms | docs: 828 | size: 225919 bytes'. The 'Query Results' section is active, showing a table with columns 'address', 'city', and 'description'. The table contains four rows of data.

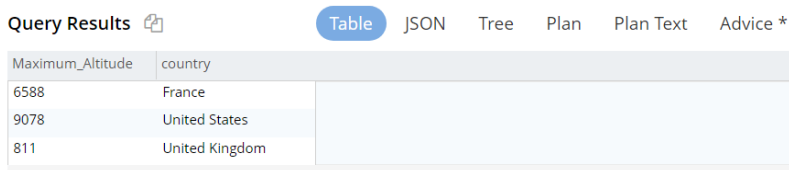
address	city	description
Capstone Road, ME7 3JE	Medway	40 bed summer hostel abo House in a semi-rural settir
6 rue aux Juifs	Giverny	The rustic style of the reno- decoration give these sever summer you will have brea admitted. Open all year ro
5 rue de la Dime	Giverny	Situated near the church ai Museum of Impressionism magnificent garden, where English having spent many
99 Gordon Street	Glasgow	This grandiose olde worlde

2. Find the highest airport in each country

Query :

```
SELECT country, max(geo.alt) as Maximum_Altitude from `travel-sample` where type="airport"  
group by country
```

Solution:



The screenshot shows the Couchbase Query Results interface. At the top, there are buttons for 'Table', 'JSON', 'Tree', 'Plan', 'Plan Text', and 'Advice *'. The 'Query Results' section is active, showing a table with columns 'Maximum_Altitude' and 'country'. The table contains three rows of data.

Maximum_Altitude	country
6588	France
9078	United States
811	United Kingdom

3. Find all routes operated by Air France from the city of Marseille. (use field faa)

Query :

```
select a.airline,a.airlineid,a.sourceairport,a.destinationairport from `travel-sample` a where  
a.type="route" and a.sourceairport IN SPLIT ((select RAW faa from `travel-sample` where  
type="airport" and city="Marseille"))[0]);
```

Solution:


Query Results 

Table JSON Tree Plan Plan Text Advice *

airline	airlineid	destinationairport	sourceairport
AH	airline_794	AAE	MRS
FR	airline_4296	AGA	MRS
ST	airline_2547	AGB	MRS
FR	airline_4296	AGP	MRS
AZ	airline_596	AJA	MRS
XX	airline_1909	AJA	MRS
AF	airline_137	AJA	MRS
AH	airline_794	ALG	MRS
AF	airline_137	ALG	MRS
KL	airline_3090	AMS	MRS