

Assignment on NoSQL

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

activity

help

au_user

CB Training > Query

IMPORTEXPORT

Query Workbench

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Query Editor

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```
1 WITH hotels AS (  
2   SELECT name, type, title, reviews[*].ratings[*].Cleanliness  
3   FROM `travel-sample`  
4   WHERE type = "hotel"  
5 )  
6 SELECT hotels.name, hotels.type, hotels.title  
7 FROM hotels  
8 WHERE (hotels.Cleanliness) >=4
```

Execute

Explain

Advise

success just now | elapsed: 545ms | execution: 544.9ms | docs: 828 | size: 91517 bytes

format

Query Results

TableJSONTreePlanPlan TextAdvice

```
1 {  
2 {  
3   "name": "Medway Youth Hostel",  
4   "title": "Gillingham (Kent)",  
5   "type": "hotel"  
6 },  
7 {  
8   "name": "The Robins",  
9   "title": "Giverny",
```

Data Insights

Queryable Buckets

travel-sample sampled 1000 of 31591

'type' = "route"82.1%

'type' = "landmark"10.4%

'type' = "hotel"2.6%

'country' = "United States", 'type' = "ai

'type' = "airport"4.6%

Indexes

Refresh

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Query Editor

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```

1 select type, title, name, id from `travel-sample` where type='hotel' and reviews[*].ratings[*].Cleanliness>=4

```

Execute
Explain
Advise

success just now | elapsed: 272.4ms | execution: 272.3ms | docs: 828 | size: 108702 bytes
format

Query Results

Table
JSON
Tree
Plan
Plan Text
Advice *

```

1 - [
2 - {
3   "id": 10025,
4   "name": "Medway Youth Hostel",
5   "title": "Gillingham (Kent)",
6   "type": "hotel"
7 },
8 - {
9   "id": 10063,
10  "name": "The Robins",
11  "title": "Giverny",
12  "type": "hotel"

```

Data Insights

Queryable Buckets

travel-sample sampled 1000 of 31591

- stops = 0, type = route 84.4%
- type = landmark 9.3%
- type = hotel 1.5%
- country = "United States", type = ai 4.3%
- type = airport 4.3%
- Indexes

Refresh

2. Find the highest airport in each country.

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Query Editor

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```

1 WITH C AS(
2 select country, max(geo.alt) as Height
3 from `travel-sample` where type="airport" group by country
4 )
5 select C.country, C.Height
6 from C

```

Execute
Explain
Advise

success just now | elapsed: 298.9ms | execution: 298.9ms | docs: 3 | size: 191 bytes
format

Query Results

Table
JSON
Tree
Plan
Plan Text
Advice

```

1 - [
2 - {
3   "Height": 6588,
4   "country": "France"
5 },
6 - {
7   "Height": 9078,
8   "country": "United States"
9 },

```

Data Insights

Queryable Buckets

- type = landmark 12.4%
- type = hotel 2.6%
- type = airline 0.6%
- callsign (string)
- country (string)
- iata (null, string)
- icao (string, indexed)
- id (number, indexed)
- name (string, indexed)
- type (string, indexed)
- type = airport 5.3%
- airportname (string, indexed)
- city (string, indexed)
- country (string)
- foo (null, string, indexed)
- geo (object), child type:
 - alt (number, indexed)
 - lat (number, indexed)
 - lon (number, indexed)
 - icao (null, string, indexed)
 - id (number, indexed)
 - type (string, indexed)

Refresh

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

activityhelpau_user

CB Training > Query

IMPORTEXPORT

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Query Editor

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```
1 select id, airlineid from `travel-sample` A where A.type="route" and A.airline="AF" and A.sourceairport IN
2 (select raw B.faa from `travel-sample` B where type=="airport" and city="Marseille")
```

ExecuteExplainAdvise

success just now | elapsed: 6.6s | execution: 6.6s | docs: 25 | size: 1550 bytes

format

Query Results

TableJSONTreePlanPlan TextAdvice *

```
1 {
2   {
3     "airlineid": "airline_137",
4     "id": 9734
5   },
6   {
7     "airlineid": "airline_137",
8     "id": 9735
9   },
10  {
11    "airlineid": "airline_137",
12    "id": 9736
13  },
14  {
```

Data Insights

Queryable Buckets

travel-sample sampled 1000 of 31591

'type' = "route" 81.7%

airline (string)

airlineid (string)

destinationairport (string, indexed)

distance (number)

equipment (string)

id (number, indexed)

schedule (array of object)

schedule subtype:

day (number)

flight (string)

utc (string)

sourceairport (string, indexed)

stops (number)

type (string, indexed)

'type' = "landmark" 11.6%

'type' = "hotel" 2.9%

'type' = "airline" 0.4%

'type' = "airport" 3.4%

Indexes

Refresh