

NoSQL Assignment

1. Import "Travel_sample" bucket;

AccoliteTest > Buckets

Dashboard

Servers

Buckets

XDCR

Security

Settings

Logs

filter buckets...

name	items	resident	ops/sec	RAM used/quota	disk used
travel-sample	31,591	100%	0	60.7MB / 100MB	33.1MB

2. Sum aggregate by airline_id

```
1 SELECT SUM(distance) AS TotalDistance ,
2     airlineid
3 FROM `travel-sample`
4 WHERE type="route"
5 GROUP BY airlineid
6 ORDER BY airlineid;
```

Execute

Explain

Advise

✓ success | just now | elapsed: 620.1ms | execution: 620.1ms | docs: 214 | size: 18645 bytes

format

Query Results

Table

JSON

Tree

Plan

Plan Text

Advice

1

2

3

4

5

6

7

8

9

10

11

12

13

[

{

"TotalDistance": 236.40367170215262,

"airlineid": "airline_10"

},

{

"TotalDistance": 20840.152833021108,

"airlineid": "airline_1006"

},

{

"TotalDistance": 21595.09972778486,

"airlineid": "airline_1034"

}

]

3. JOINS

INNER:

```
1 SELECT * FROM `travel-sample` route
2 INNER JOIN `travel-sample` airline
3 ON route.airlineid = META(airline).id
4 WHERE route.type = "route" and airline.type = "airline"
5 AND route.sourceairport = "SFO"
```

Execute Explain Advise ✓ success just now | elapsed: 53ms | execution: 53ms | docs: 183 | size: 669953 bytes [format](#)

Query Results [🔗](#) [🔍](#) Table **JSON** Tree Plan Plan Text Advice

```
1 + [
2 + {
3 +   "airline": {
4 +     "callsign": "UNITED",
5 +     "country": "United States",
6 +     "iata": "UA",
7 +     "icao": "UAL",
8 +     "id": 5209,
9 +     "name": "United Airlines",
10 +    "type": "airline"
11 +  },
12 +  "route": {
13 +    "airline": "UA",
14 +    "airlineid": "airline 5209".
```

LEFT:

```
1 SELECT * FROM `travel-sample` route
2 LEFT JOIN `travel-sample` airline
3 ON route.airlineid = META(airline).id
4 WHERE route.type = "route" and airline.type = "airline"
5 AND route.sourceairport = "SFO"
```

Execute Explain Advise ✓ success just now | elapsed: 56ms | execution: 56ms | docs: 183 | size: 669953 bytes [format](#)

Query Results [🔗](#) [🔍](#) Table **JSON** Tree Plan Plan Text Advice

```
1 + [
2 + {
3 +   "airline": {
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7 +     "icao": "UAL",
8 +     "id": 5209,
9 +     "name": "United Airlines",
10 +    "type": "airline"
11 +  },
12 +  "route": {
13 +    "airline": "UA",
14 +    "airlineid": "airline 5209".
```

RIGHT:

```
1 SELECT * FROM `travel-sample` route
2 RIGHT JOIN `travel-sample` airline
3 ON route.airlineid = META(airline).id
4 WHERE route.type = "route" and airline.type = "airline"
5 AND route.sourceairport = "SFO"
```

Execute Explain Advise success 32 min ago | elapsed: 2s | execution: 2s | docs: 183 | size: 669953 bytes format

Query Results Table JSON Tree Plan Plan Text Advice

```
1 {
2   {
3     "airline": {
4       "callsign": "CITRUS",
5       "country": "United States",
6       "iata": "FL",
7       "icao": "TRS",
8       "id": 1316,
9       "name": "AirTran Airways",
10      "type": "airline"
11    },
12    "route": {
13      "airline": "FL"
```

4. CLI INTERFACE:

STEPS:

1. Open CMD in Admin mode and navigate to couchbase/bin
2. Use command "cbexport json -c couchbase://127.0.0.1 -u Admin -p Password -b travel-sample -o C:/travelSample.json -f lines -t 4" to export the bucket
3. Created a new bucket in UI named "NewBucket"
4. Used command "cbimport json -c couchbase://127.0.0.1 -u Admin -p Password -b NewBucket -f lines -d file://C:/travelSample.json -t 4 -g %id%" to import data to new bucket

Screenshots:

Add Data Bucket

Name: NewBucket

Memory Quota: 13623 MB

Bucket Type: ☒ Couchbase ☐ Memcached ☐ Ephemeral

Advanced bucket settings

Cancel Add Bucket

BUCKET NAME	ITEMS	PERCENT FULL	UNDELETED	MEMORY USED/AVAILABLE	INDEX SIZE	
NewBucket	28,579	100%	6198	65.7MB / 13.3GB	4.05MB	Documents Statistics
travel-sample	31,591	100%	0	62.5MB / 100MB	47.4MB	Documents Statistics

```
Administrator: Command Prompt
C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Admin -p Gamerz1234 -b travel-sample -o
C:/travelSample.json -f lines -t 4
Json exported to "C:/travelSample.json" successfully
Documents exported: 31591 Documents skipped: 0
C:\Program Files\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u Admin -p Gamerz1234 -b NewBucket -f line
s -d file://C:/travelSample.json -t 4 -g %id%
JSON "file://C:/travelSample.json" imported to 'http://127.0.0.1:8091' successfully
Documents imported: 31591 Documents failed: 0
C:\Program Files\Couchbase\Server\bin>
```