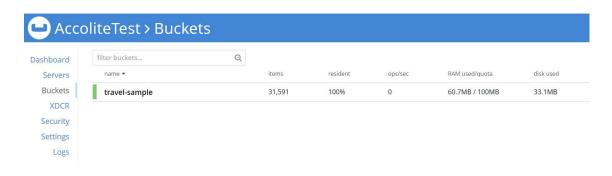
NoSQL Assignment

By Raj Vignesh Karunakaran

1. Import "Travel_sample" bucket;



2. Sum aggregate by airline_id

```
1 SELECT SUM(distance) AS TotalDistance ,
            airlineid
  2
  3 FROM `travel-sample`
  4 WHERE type="route"
  5 GROUP BY airlineid
  6 ORDER BY airlineid;
                 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 - [
    3
              "TotalDistance": 236.40367170215262,
              "airlineid": "airline_10"
    4
    5
          },
    6 +
              "TotalDistance": 20840.152833021108,
              "airlineid": "airline_1006"
    8
    9
          },
   10 -
   11
              "TotalDistance": 21595.09972778486,
   12
              "airlineid": "airline_1034"
   13
```

3. JOINS

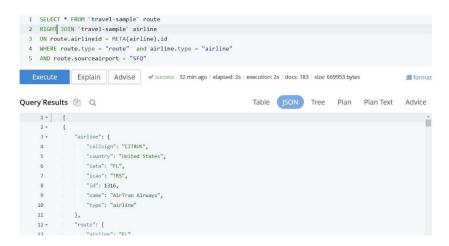
INNER:

LEFT:

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

AND route.sourceairport = "SFO"
 Execute Explain Advise Success just now | elapsed: 56ms | execution: 56ms | docs: 183 | size: 669953 bytes
                                                                      Table SON Tree Plan Plan Text Advice
Query Results 😩 🔍
1* [
                "airline": {
     3+
                   "callsign": "UNITED",
"country": "United States",
"iata": "UA",
                   "icao": "UAL",
                   "id": 5209,
                   "name": "United Airlines",
    10
                   "type": "airline"
    11
                "route": {
    12 +
                  "airline": "UA",
    13
             "airlineid": "airline 5209".
```

RIGHT:



4. MAPREDUCE views for number of documents based on entity – type:

```
MAP:
function (doc, meta) {
    if(doc.type){
        emit(doc.type,null)
    }
}
```

REDUCE:

_count

Filter:

Group_level = 1

Output:



5. 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 t new bucket

Screenshots:

