NoSQL Assignment

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1. Import "Travel_sample" bucket;

2. Sum aggregate by airline_id

3. JOINS

INNER:

LEFT:

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

MAP:

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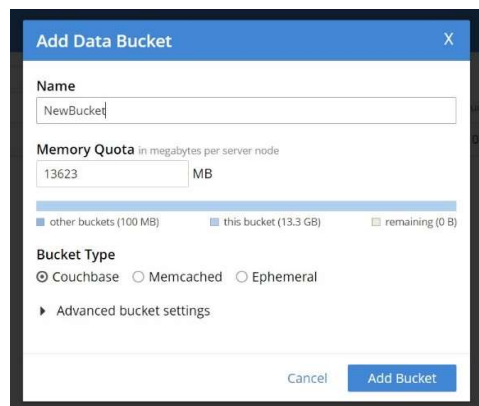
REDUCE:

```
        _count
```

Filter:

```
        Group_level = 1
```

Output:

Key	Value
"airline" undefined	187
"airport" undefined	1968
"hotel" undefined	917
"landmark" undefined	4495
"route" undefined	24024

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: