NoSQL Assignment

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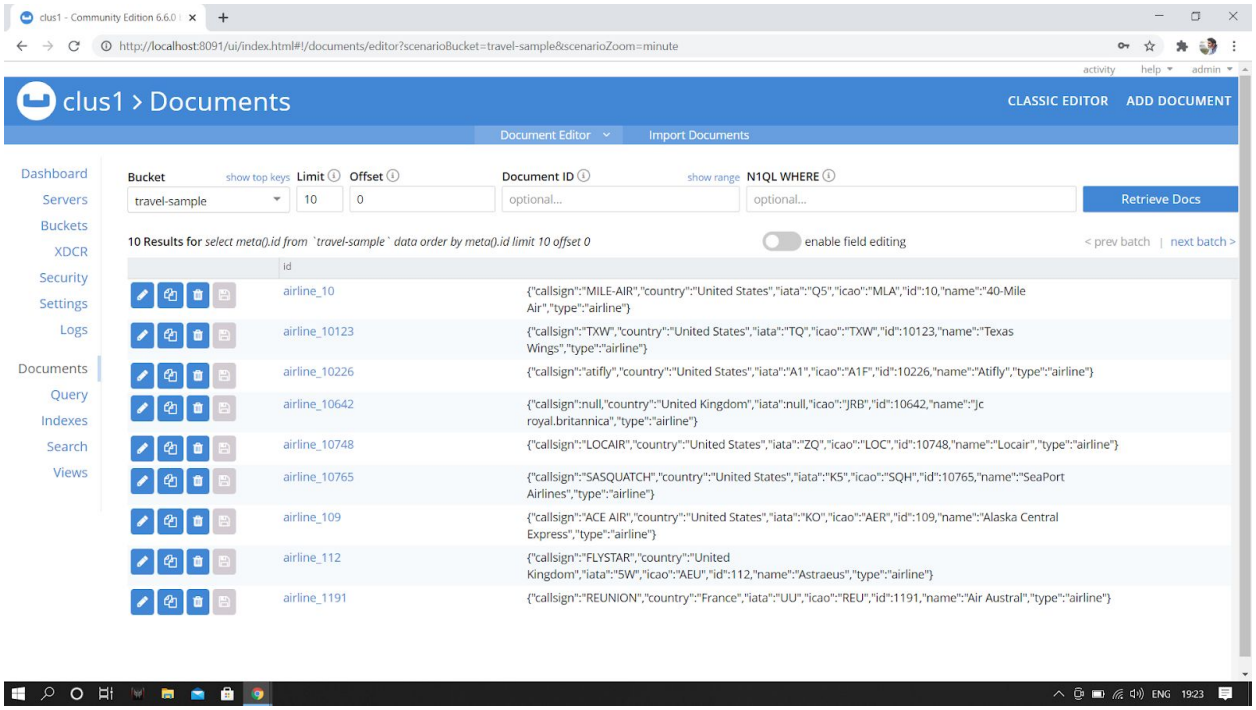
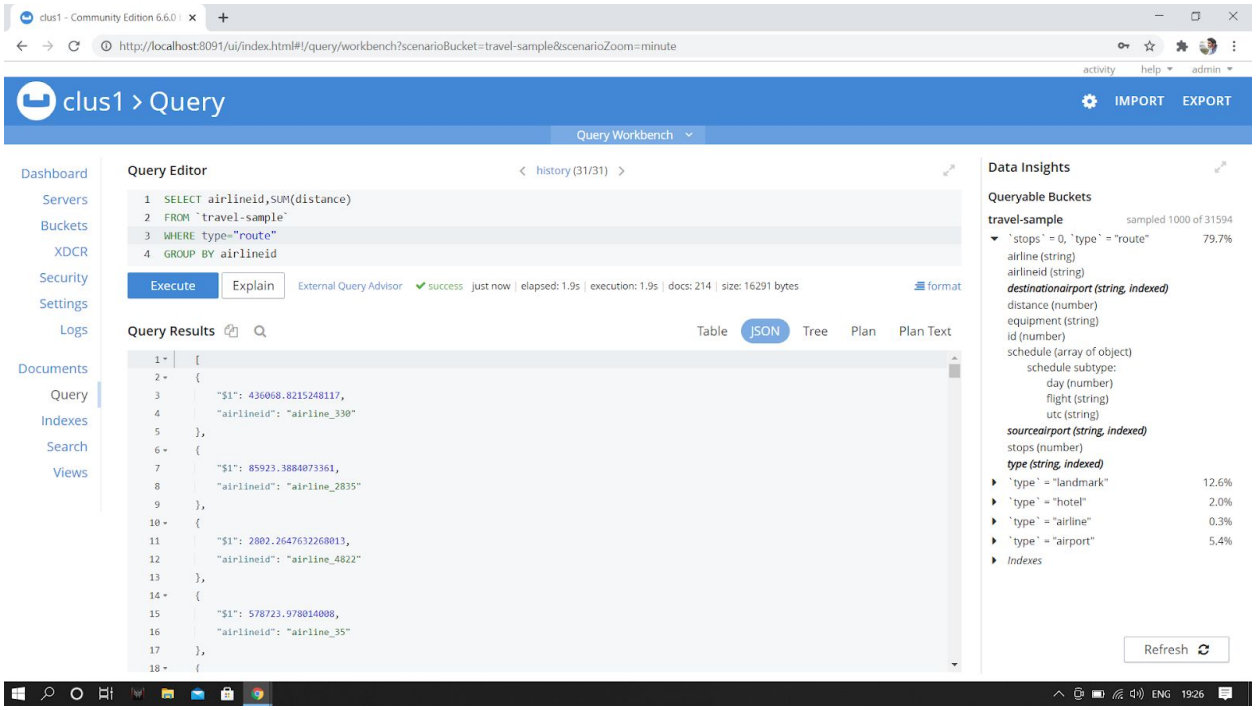
1. Import `travel-sample` bucket



2. Write a query to get the sum of all distances where type=”route” for each airline id.

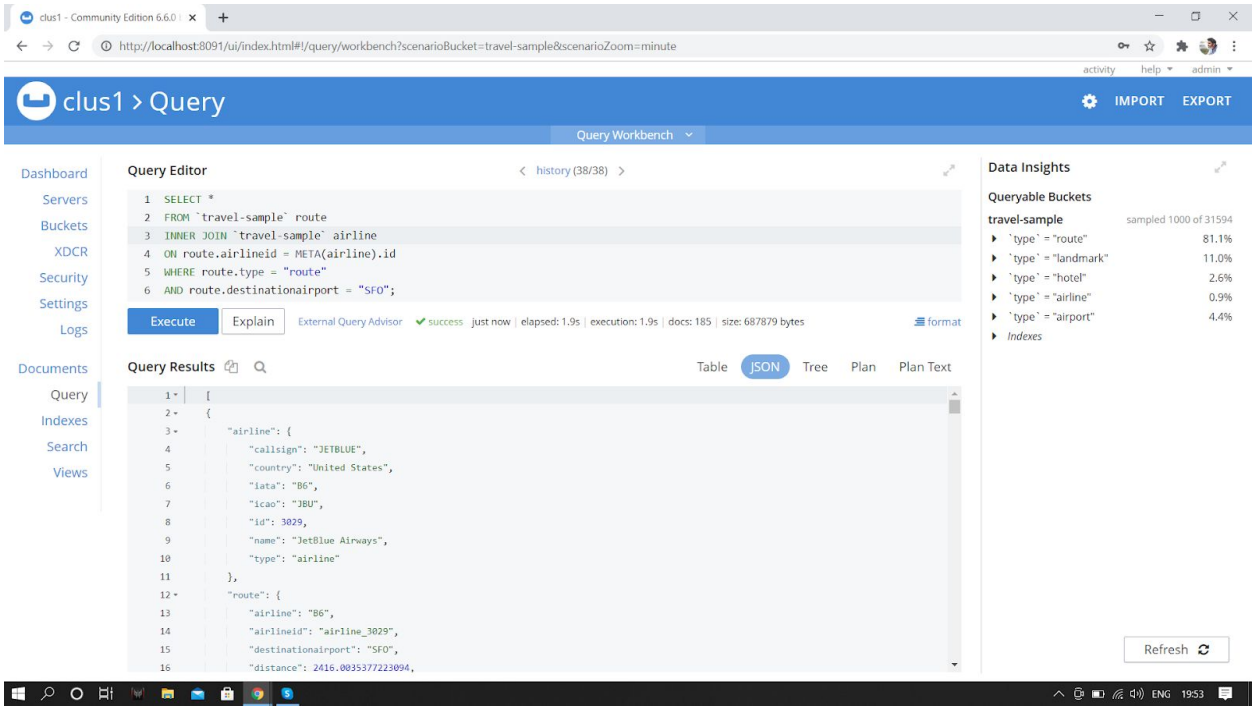
```
SELECT airlineid,SUM(distance)
FROM `travel-sample`
WHERE type="route"
GROUP BY airlineid
```



3. Write queries to join(LEFT,RIGHT,INNER) type=”route” & “airline” and fetch the data whose sourceairport=”SFO”

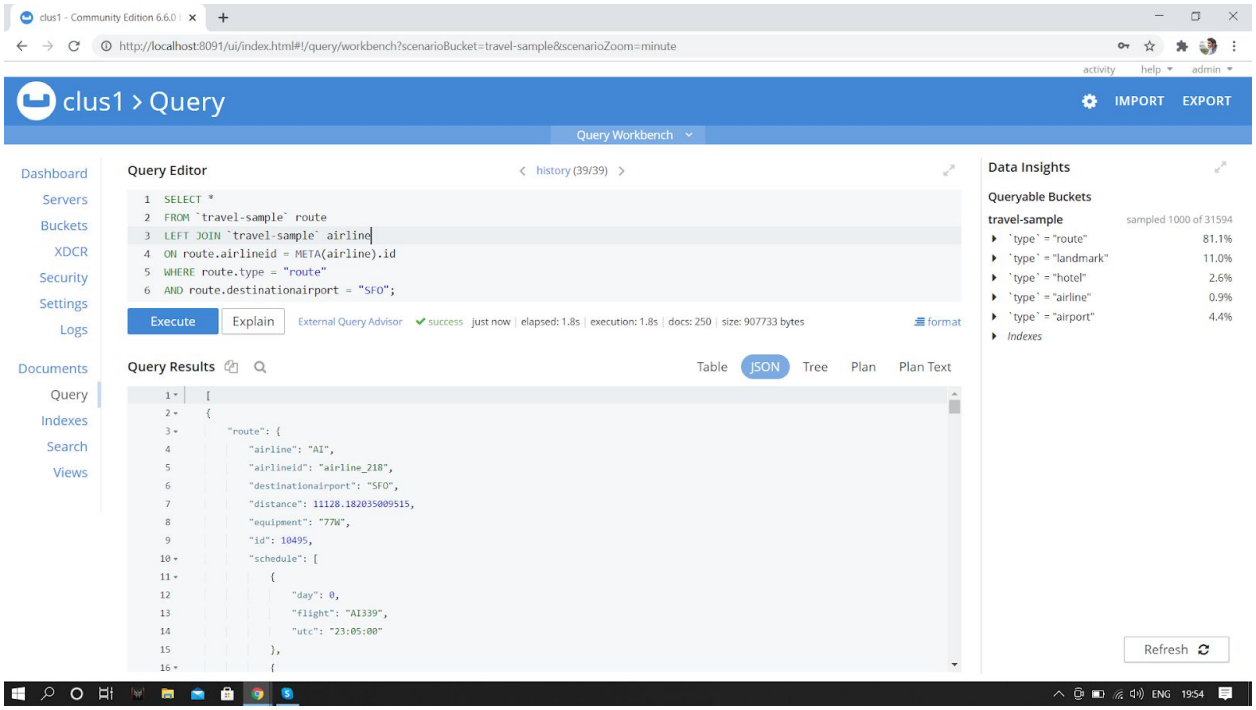
Inner Join

```
SELECT *
FROM `travel-sample` route
INNER JOIN `travel-sample` airline
ON route.airlineid = META(airline).id
WHERE route.type = "route"
AND route.destinationairport = "SFO";
```



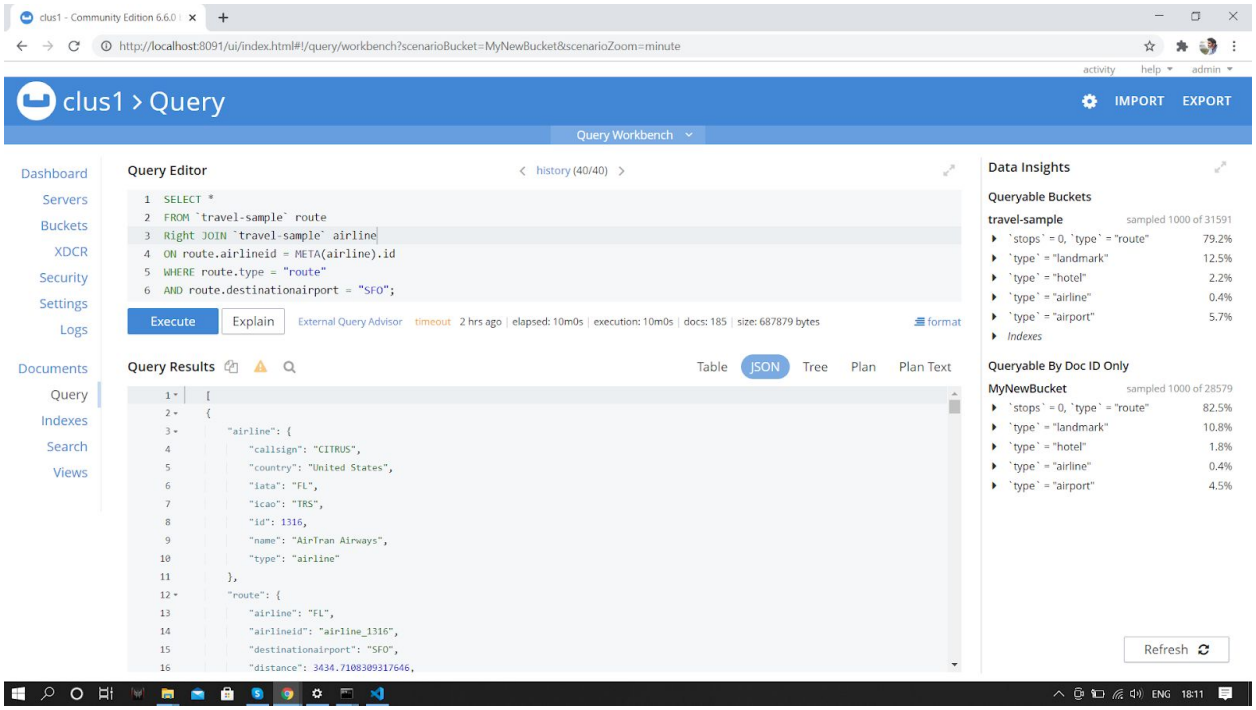
Left Join

```
SELECT *
FROM `travel-sample` route
LEFT JOIN `travel-sample` airline
ON route.airlineid = META(airline).id
WHERE route.type = "route"
AND route.destinationairport = "SFO";
```



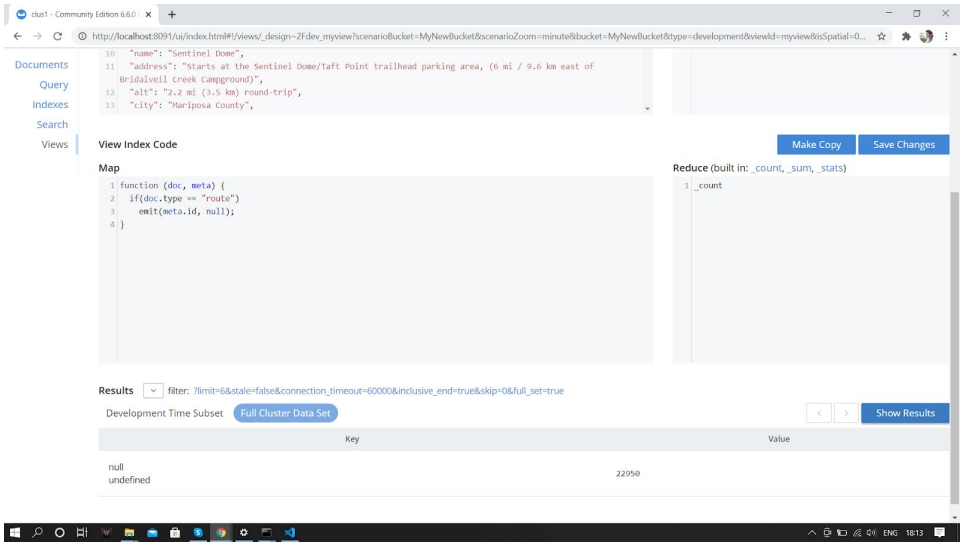
Right Join

```
SELECT *
FROM `travel-sample` route
Right JOIN `travel-sample` airline
ON route.airlineid = META(airline).id
WHERE route.type = "route"
AND route.destinationairport = "SFO";
```

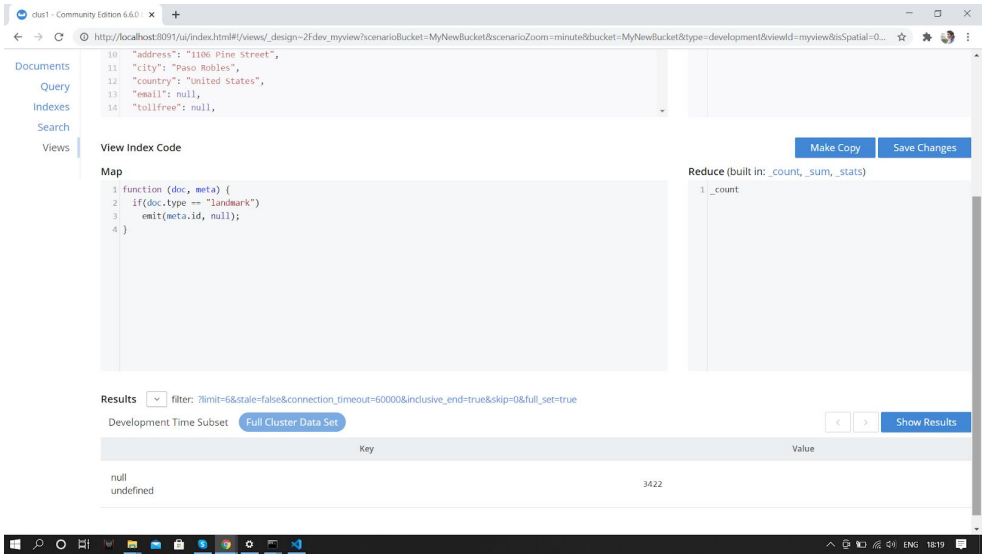


4. Write a mapreduce to get the number of all documents based on entities(type).

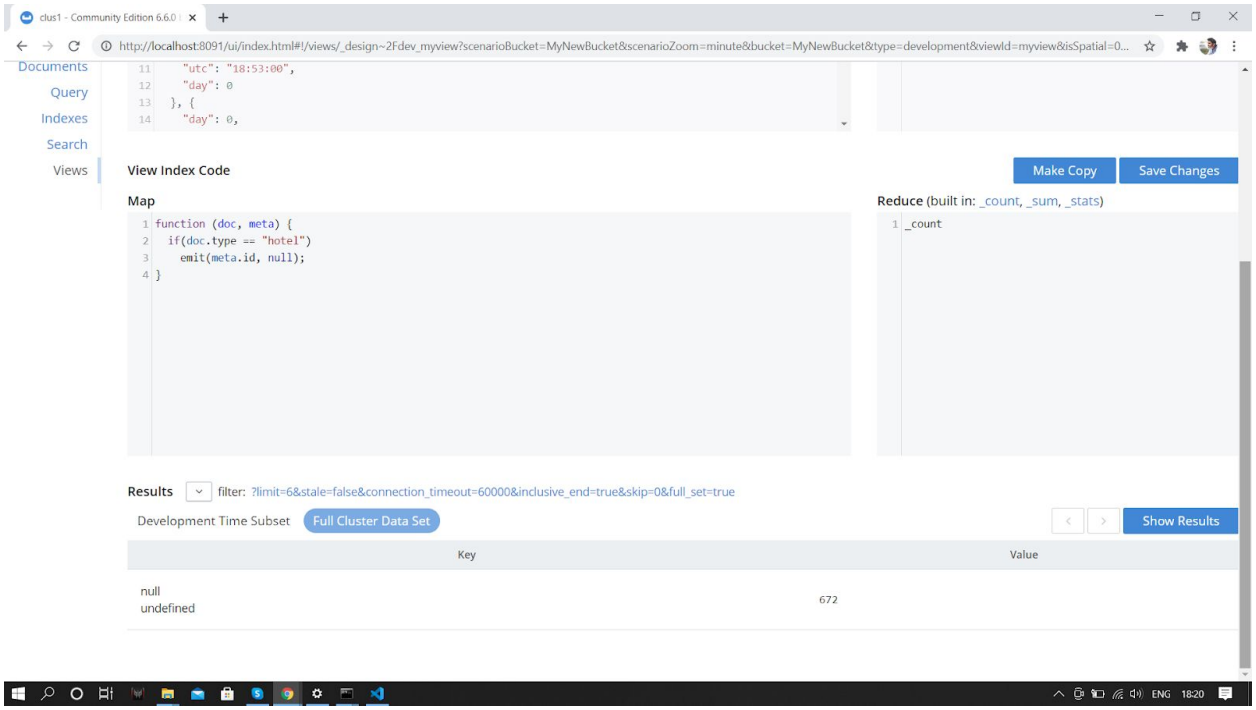
Route



Landmarks



Hotel



5. Refer CLI interface & try to export the travel sample data.

cbexport json -c couchbase://127.0.0.1 -u admin -p maithpass
-b travel-sample -o D:/travelSample.json -f lines -t 4

cbimport json -c couchbase://127.0.0.1 -u admin -p maithpass -b MyNewBucket -f lines -d file://D:/travelSample.json -t 4 -g %id%

Exported and Imported the bucket

```
D:\softwares\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u admin -p maithpass -b travel-sample -o D:/travelSample.json -f lines -t 4
Json exported to `D:/travelSample.json` successfully
Documents exported: 31591 Documents skipped: 0

D:\softwares\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u admin -p maithpass -b MyNewBucket -f lines -d file://D:/travelSample.json -t 4 -g %id%
JSON `file://D:/travelSample.json` imported to `http://127.0.0.1:8091` successfully
Documents imported: 31591 Documents failed: 0

D:\softwares\Couchbase\Server\bin>
```