

1. Importing the dataset

Import `travel-sample` bucket and then Go to settings->sample buckets

2. SELECT airlineid ,Sum(distance) FROM `travel-sample`WHERE type = "route"

GROUP BY airlineid;

3. a) //INNER JOIN

```
SELECT * FROM `travel-sample` r
INNER JOIN `travel-sample` a
ON r.airlineid = META(a).id
WHERE r.sourceairport = "SFO"
```

The screenshot displays the Accolite Query Workbench interface. The top navigation bar includes 'IMPORT' and 'EXPORT' buttons. The left sidebar contains a menu with 'Dashboard', 'Servers', 'Buckets', 'XDCR', 'Security', 'Settings', 'Logs', 'Documents', 'Query', 'Indexes', 'Search', and 'Views'. The main area is divided into three sections: 'Query Editor', 'Query Results', and 'Data Insights'. The 'Query Editor' shows a SQL query:

```
1 SELECT SUM(ROUND(distance)) AS Total_Distance
2 FROM `travel-sample`
3 WHERE type = "route"
```

. Below the query editor are 'Execute' and 'Explain' buttons, and a status bar indicating 'External Query Advisor success 2 min ago | elapsed: 1.7s | execution: 1.7s | docs: 1 | size: 42 bytes'. The 'Query Results' section shows a JSON output:

```
1 {
2   {
3     "Total_Distance": 53538071
4   }
5 ]
```

. The 'Data Insights' section is currently empty. The bottom of the screen shows a Windows taskbar with various application icons and system information.

b).LEFT JOIN

```
SELECT *FROM `travel-sample` r
LEFT JOIN `travel-sample` a
ON r.airlineid = META(a).id
WHERE r.sourceairport = "SFO"
```

The screenshot displays the Accolite Query Workbench interface. The top navigation bar includes 'Accolite > Query' and 'IMPORT EXPORT' buttons. The left sidebar lists various dashboard components like Servers, Buckets, XDCR, Security, Settings, Logs, Documents, Query, Indexes, Search, and Views. The main area is divided into three sections: Query Editor, Query Results, and Data Insights.

Query Editor: Contains a SQL query:

```
1 SELECT *
2 FROM `travel-sample` r
3 LEFT JOIN `travel-sample` a
```

Buttons for 'Execute' and 'Explain' are visible. Below the query, it shows 'External Query Advisor' status: 'success just now | elapsed: 265.3ms | execution: 265.3ms | docs: 249 | size: 887372 bytes'.

Query Results: Displays the results in JSON format. The first document is:

```
{
  "r": {
    "airline": "AI",
    "airlineid": "airline_218",
    "destinationairport": "HKG",
    "distance": 11128.182835809515,
    "equipment": "77W",
    "id": 18624,
    "schedule": {
      "day": 0,
      "flight": "AI472",
      "utc": "09:43:00"
    }
  }
}
```

Data Insights: Shows 'Queryable Buckets' for 'travel-sample' (sampled 1000 of 31591). The buckets are:

- 'stops' = 0, 'type' = 'route': 83.2%
- 'type' = 'landmark': 9.6%
- 'type' = 'hotel': 2.4%
- 'type' = 'airline': 0.5%
- 'type' = 'airport': 4.3%

A 'Refresh' button is located at the bottom right of the Data Insights section.

c)RIGHT JOIN

```
SELECT *FROM `travel-sample` r
RIGHT JOIN `travel-sample` a
ON r.airlineid = META(a).id
WHERE r.sourceairport = "SFO"
```

```
4. function(doc, meta)
{
    emit(doc.type);
}
```

And then use the inbuilt `_count` reduce function

5. I have imported the beer-sample data since travel-sample has 2 scopes and it was giving an error while exporting to JSON file.

A. C:\Program Files\Couchbase\Server\bin>cbexport json -c
http://localhost:8091 -u Administrator -p kyunbe -b beer-sample -o
C:\Users\amitg\Downloads\lines.json -f lines -t 4

```
C:\Program Files\Couchbase\Server\bin>cbexport json -c http://localhost:8091 -u Administrator -p kyunbe -b beer-sample -o C:\Users\amitg\Downloads\lines.json -f lines -t 4
JSON exported to 'C:\Users\amitg\Downloads\lines.json' successfully
Documents exported: 7303 Documents skipped: 0
```

B. C:\Program Files\Couchbase\Server\bin>cbimport json -c
http://localhost:8091 -u Administrator -p kyunbe -b NewBucket -d
file:///lines.json -f lines -g key::%name% -t 4

```
C:\Program Files\Couchbase\Server\bin>cbimport json -c http://localhost:8091 -u Administrator -p kyunbe -b NewBucket -d file:///lines.json -f lines -g key::%name% -t 4
JSON 'file:///lines.json' imported to 'http://localhost:8091' successfully
Documents imported: 7303 Documents failed: 0

C:\Program Files\Couchbase\Server\bin>
```

C. Imported NewBucket screenshot of beer-sample data

Assignment - x

Inbox (3,177) - x

You've been re - x

(10) WhatsApp x

Accolite - Ente x

NOSQL Assign x

Accolite - Ente x

cbimport.json x

+ -

localhost:8091/ui/index.html#/docs/editor?scenarioBucket=travel-sample&scenarioZoom=minute&bucket=NewBucket

☆ 🗑 📷 ⚙ 🌐

Edit Import

Dashboard

Servers

Buckets

Backup

XDCR

Security

Settings

Logs

Documents

Query

Indexes

Search

Analytics

Eventing

Views

Location bucket.scope.collection

Limit ① Offset ①

Document ID ① show range N1QL WHERE ①

Retrieve Docs

NewBucket _default _default





























10 0

optional... no indexes available...

10 Results for NewBucket_default_default, limit: 10, offset: 0

enable field editing

< prev batch | next batch >

	id	
   	key::#17 Cream Ale	{ "abv":0, "brewery_id":"big_ridge_brewing", "category":"North American Lager", "description":"", "ibu":0, "name":"#17 Cream Ale", "srm":0, "style":"American-Style Lager", "type":"beer", "upc":0, "updated":"2010-07-22 20:00:20" }
   	key::#40 Golden Lager	{ "abv":0, "brewery_id":"minocqua_brewing_company", "description":"", "ibu":0, "name":"#40 Golden Lager", "srm":0, "type":"beer", "upc":0, "updated":"2010-07-22 20:00:20" }
   	key::#42 Cream Ale	{ "abv":0, "brewery_id":"listermann_brewing_company", "category":"Other Style", "description":"", "ibu":0, "name":"#42 Cream Ale", "srm":0, "style":"American-Style Cream Ale or Lager", "type":"beer", "upc":0, "u..." }
   	key::#9	{ "abv":4.6, "brewery_id":"magic_hat", "category":"North American Ale", "description":"Not quite pale ale. A bi-cloaked in secrecy. An ale whose mysterious unusual palate will swirl across your tongue..." }
   	key::(512) ALT	{ "abv":6, "brewery_id":"512_brewing_company", "category":"German Ale", "description":"(512) ALT is a Germ style amber ale that is fermented cooler than typical ales and cold conditioned like a lager. A..." }
   	key::(512) Brewing Company	{ "address":["407 Radam, F200"], "city":"Austin", "code":"78745", "country":"United States", "description":"(512) Brewing Company is a microbrewery located in the heart of Austin that brews for the communi..." }
   	key::(512) Bruin	{ "abv":7.6, "brewery_id":"512_brewing_company", "category":"North American Ale", "description":"At once cl and ferocious, (512) BRUIN combines a smooth, rich maltiness and mahogany color with a solid..." }

D.