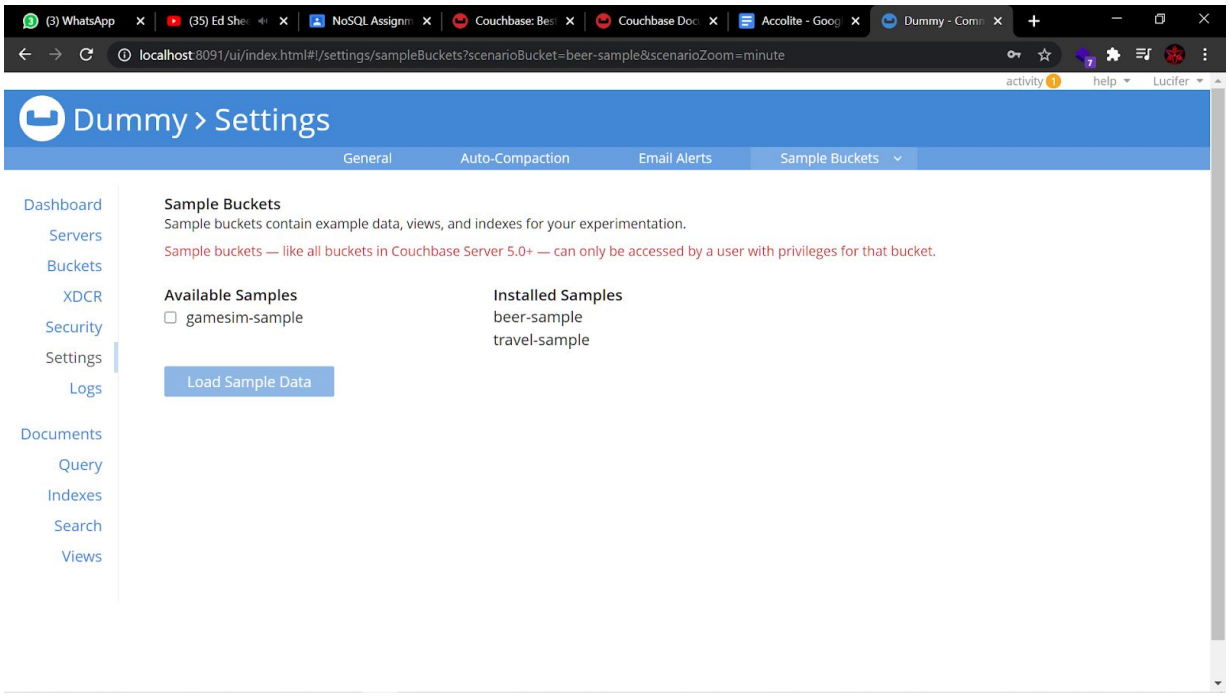
NoSQL

Prabhakar

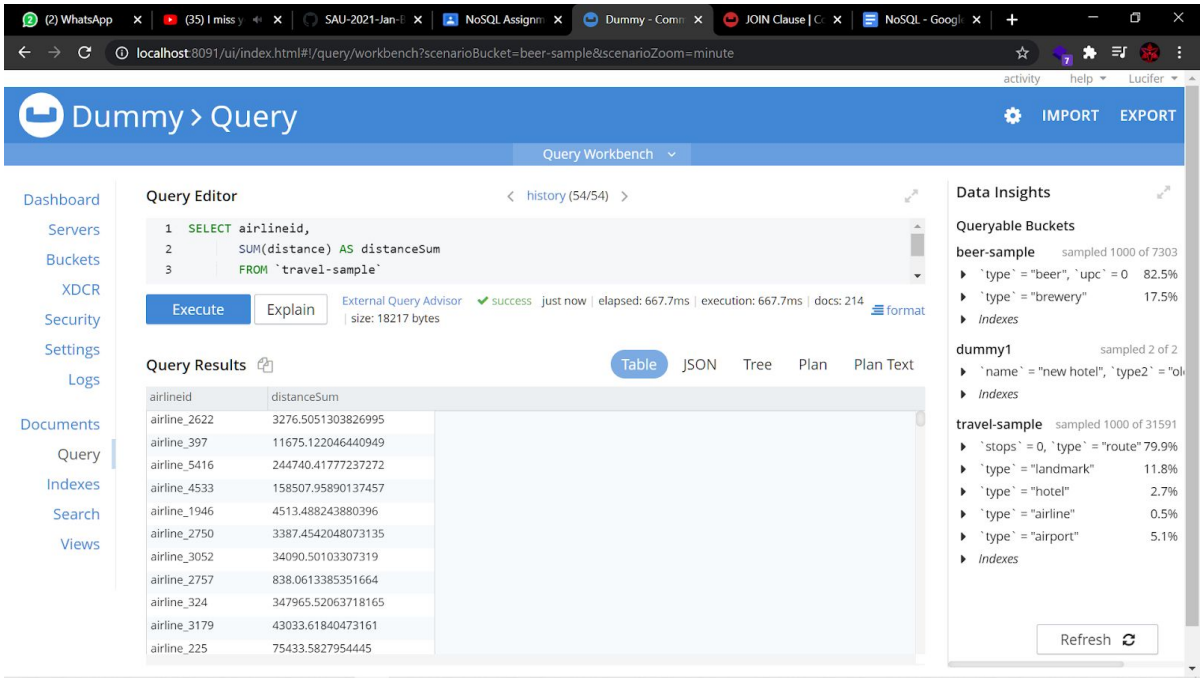
1. Import `travel-sample` bucket:

travel-sample bucket imported.



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

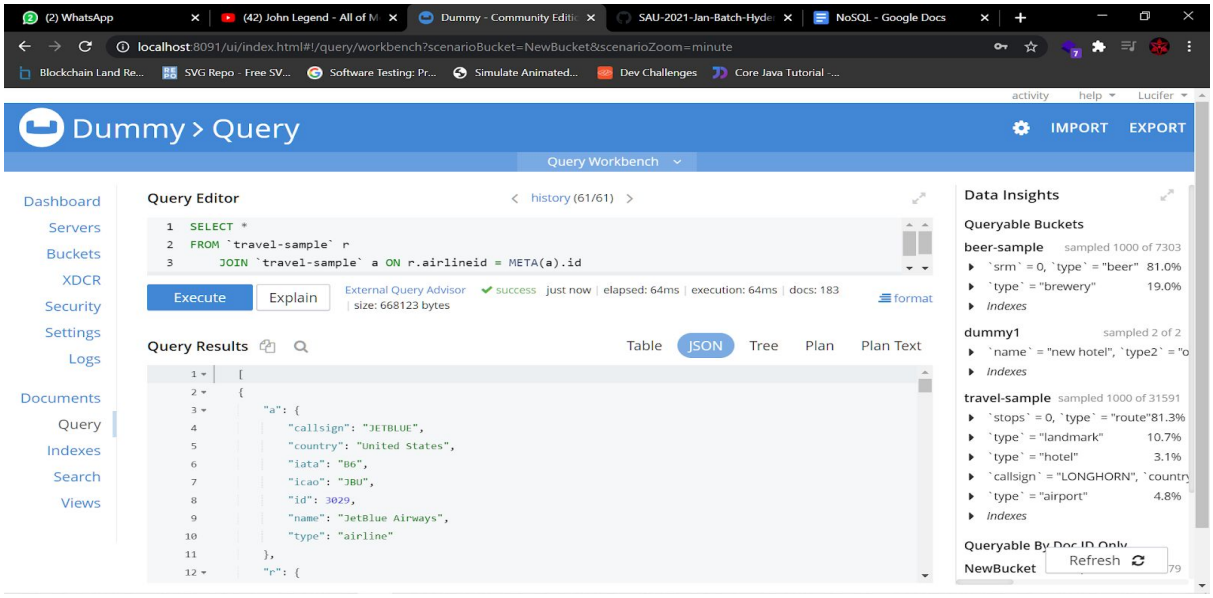
```
SELECT airlineid,
    SUM(distance) AS distanceSum
    FROM `travel-sample`
WHERE type="route"
GROUP BY airlineid;
```



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

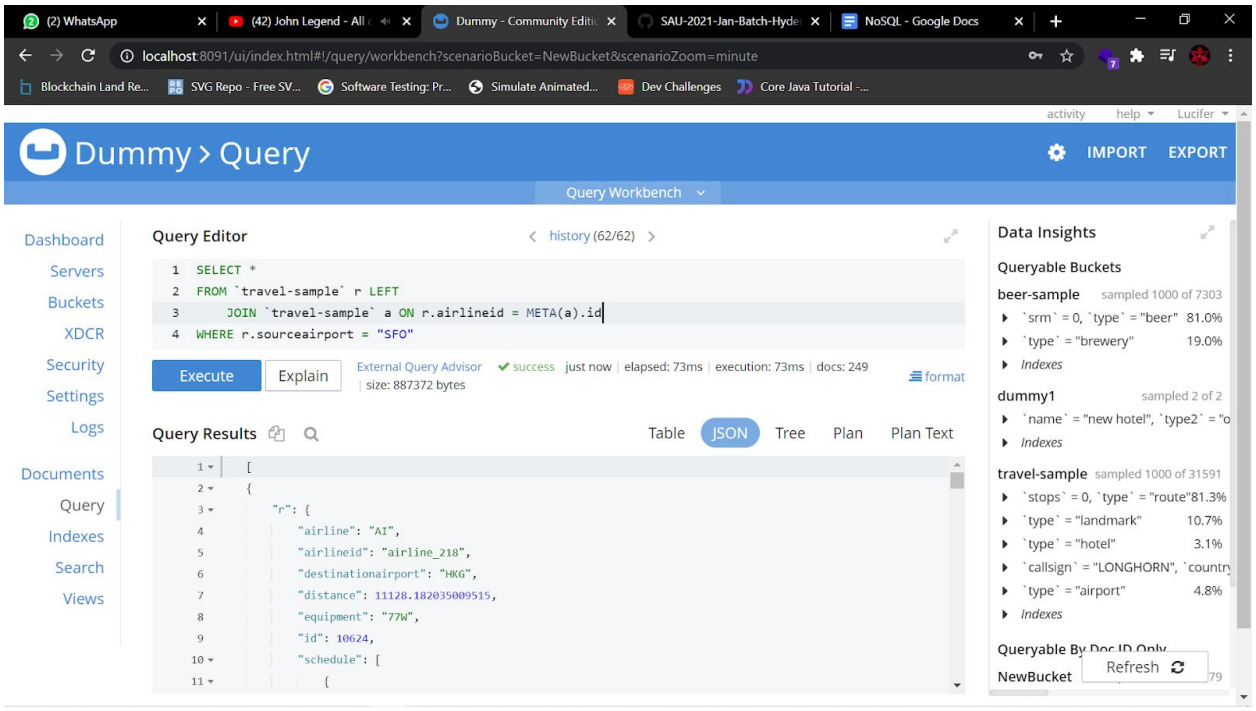
INNER JOIN:

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



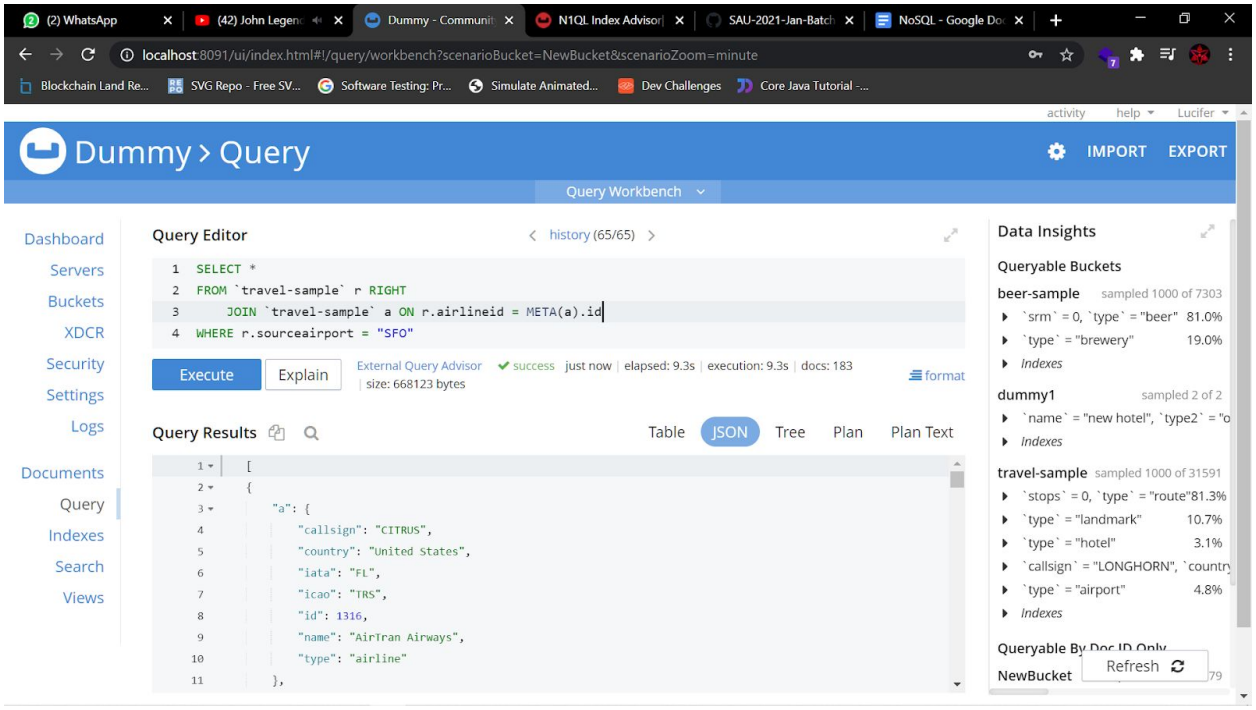
LEFT JOIN:

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



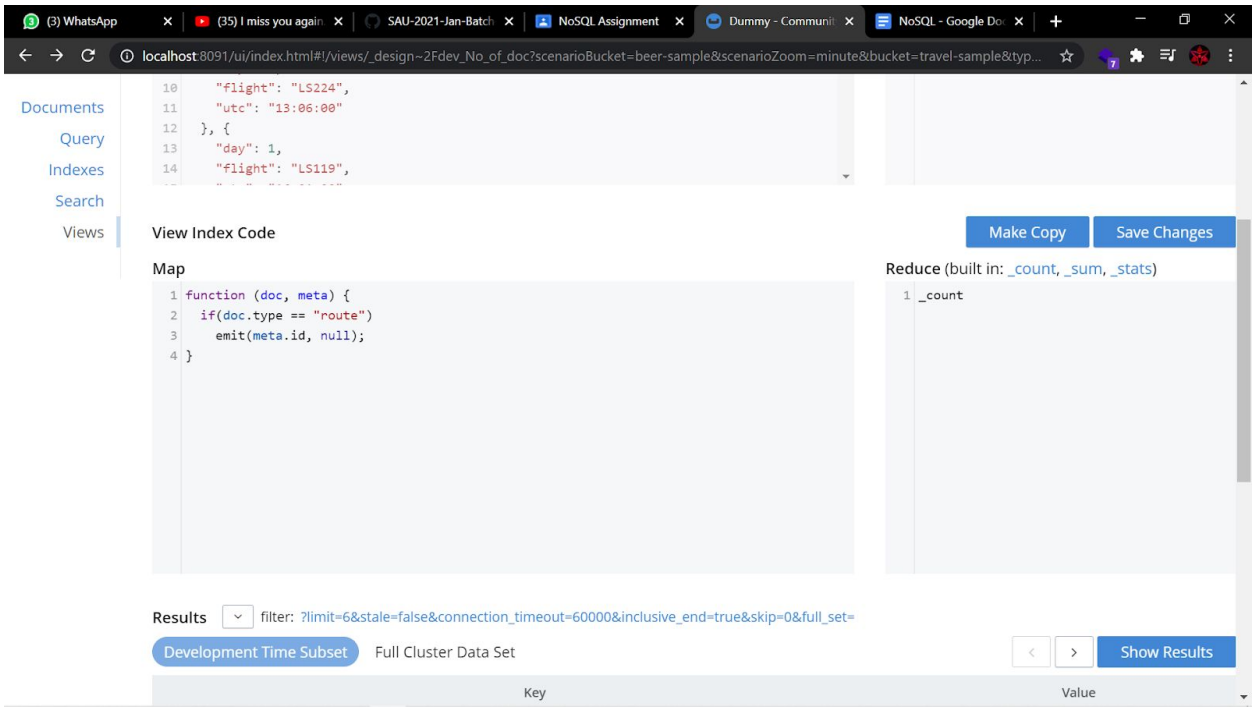
RIGHT JOIN:

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



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

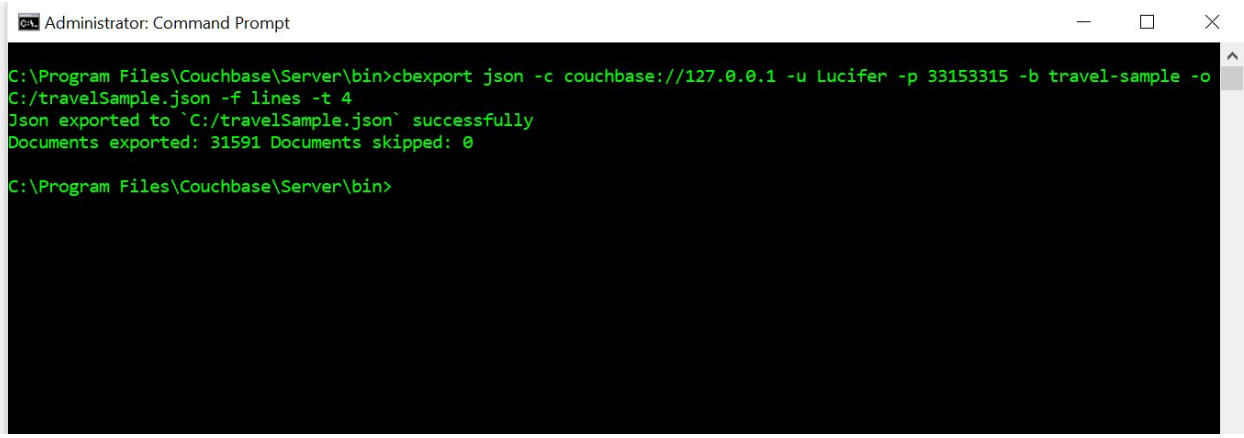
```
function (doc, meta) {
  if(doc.type == "router")
        emit(meta.id, null);
}
```



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

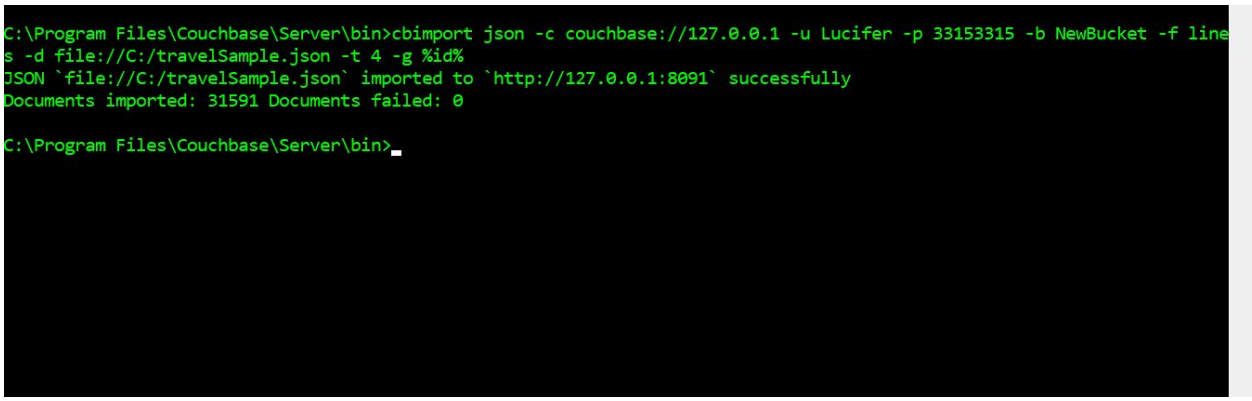
- Go to Couchbase Bin folder - C:\Program Files\Couchbase\Server\bin
- Open Command Prompt from the bin folder
- Run the below command to export the data from travel-sample bucket

cbexport json -c couchbase://127.0.0.1 -u <USER NAME> -p <password> -b travel-sample -o C:/travelSample.json -f lines -t 4

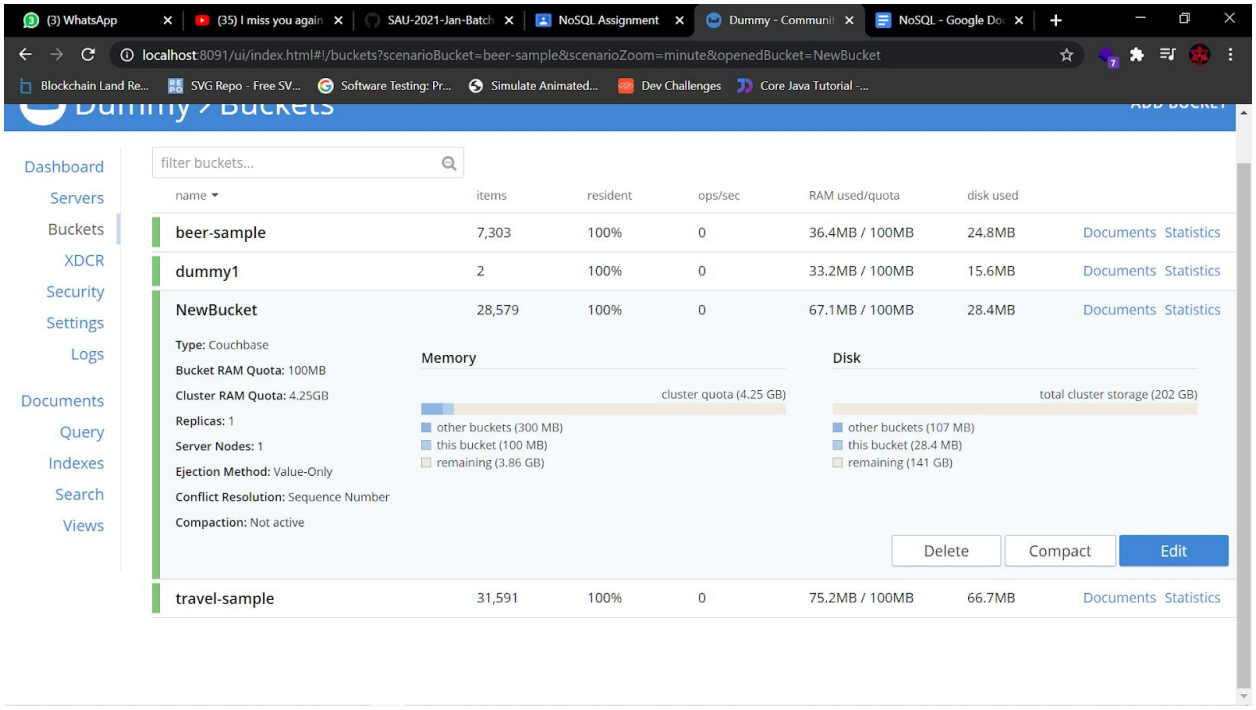


- Create a new Bucket “NewBucket” & import the data to it:

cbimport json -c couchbase://127.0.0.1 -u <User Name> -p <password> -b NewBucket -f lines -d file://C:/travelSample.json -t 4 -g %id%



Imported Bucket:



Imported data: