# Nosql Assignment

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### Q.1- Import `travel-sample` bucket

-> Imported! (Buckets -> import sample bucket -> travel-sample)

Q2-Write a query to get the sum of all distances where type="route" for each airline id.

Ans:-

select airlineid,sum(distance) as Total\_Distance\_Sum from `travel-sample` where type='route' group by airlineid;

# Q3- . Write queries to join(LEFT,RIGHT,INNER) type="route"&"airline" and fetch the data whose sourceairport="SFO"

Ans:-

#### Inner Join

select \* from `travel-sample` x inner join `travel-sample` y on x.type='route' and y.type='airline' where x.sourceairport='SFO';

#### Left Join

select \* from `travel-sample` x left join `travel-sample` y on x.type='route' and y.type='airline' where x.sourceairport='SFO';

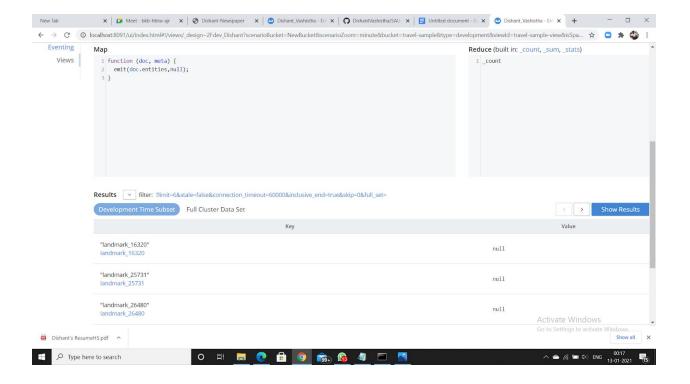
## Right Join

select \* from `travel-sample` x right join `travel-sample` y on x.type='route' and y.type='airline' where x.sourceairport='SFO';

# Q4- Write a mapreduce to get the number of all documents based on entities(type).

```
Ans:-
function (doc,meta){
  emit(doc.entities,null);
}
Reduce: _count
```

Snapshot:-



Q5- Refer CLI interface & try to export the travel sample data. Below are the steps:

- a) Go to Couchbase Bin folder C:\Program Files\Couchbase\Server\bin
- b) Open Command Prompt from the bin folder
- c) Run the below command to export the data from travel-sample bucket: cbexport json -c couchbase://127.0.0.1 -u -p -b travel-sample -o C:/travelSample.json -f lines -t 4
- D) Create a new Bucket "NewBucket" & import the data to it: cbimport json -c couchbase://127.0.0.1 -u -p -b NewBucket -f lines -d file://C:/travelSample.json -t 4 -g %id% E) Once the data is imported, please attach the screenshot.

## Ans:-CMD Snapshot:-

```
C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Dishant -p *Dishant572000 -b travel-sample -o C:/travelSample.json -f lines -t 4

Json export failed: open C:/travelSample.json: Access is denied.

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Dishant -p *Dishant572000 -b travel-sample -o E:/travelSample.json -f lines -t 4

2021-01-10702:09:34.530+05:30 MARNI: (Couchbase) Unexpected error 'operation timed out after 5s' while trying to get sequence numbers, will retry in 5s -- couchbase.GetSequenceNumbers() at sequence 2021-01-10702:09:49.545+05:30 MARNI: (Couchbase) Unexpected error 'operation timed out after 10s' while trying to get sequence numbers, will retry in 10s -- couchbase.GetSequenceNumbers() at sequence of E:/travelSample.json` successfully

Documents exported: 31591 Documents skipped: 0

C:\Program Files\Couchbase\Server\bin>cbin>couchbase://127.0.0.1 -u Dishant -p *Dishant572000 -b NewBucket -f lines -d file://E:/travelSample.json -t 4 -g %id%

JSON `file://E:/travelSample.json` imported to `http://127.0.0.1:8091` successfully

Documents imported: 31591 Documents failed: 0

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

#### NewBucket Snapshot after importing documents:-

