

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:-

Eventing Views

Map

```
1 function (doc, meta) {
2   emit(doc.entities,null);
3 }
```

Reduce (built in: _count, _sum, _stats)

```
1 _count
```

Results filter: ?limit=6&state=false&connection_timeout=60000&inclusive_end=true&skip=0&full_set=

Development Time Subset Full Cluster Data Set

Key	Value
"landmark_16320" landmark_16320	null
"landmark_25731" landmark_25731	null
"landmark_26480" landmark_26480	null

Activate Windows
Go to Settings to activate Windows.
Show all

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

- 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 -p -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 -p -b NewBucket -f lines -d file://C:/travelSample.json -t 4 -g %id%`**
- Once the data is imported, please attach the screenshot.**

Ans:-

CMD Snapshot:-

```
C:\Windows\System32\cmd.exe

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
2021-01-10T02:09:34.530+05:30 WARN: (Couchbase) Unexpected error 'operation timed out after 5s' while trying to get sequence numbers, will retry in 5s -- couchbase.GetSequenceNumbers() at sequen
2021-01-10T02:09:49.545+05:30 WARN: (Couchbase) Unexpected error 'operation timed out after 10s' while trying to get sequence numbers, will retry in 10s -- couchbase.GetSequenceNumbers() at sequen
G
Json exported to 'E:/travelSample.json' successfully
Documents exported: 31591 Documents skipped: 0

C:\Program Files\Couchbase\Server\bin>cbimport json -c 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>
```

NewBucket Snapshot after importing documents:-

The screenshot displays the NewBucket web application interface. The top navigation bar includes the user name 'Dishant_Vashistha' and the section 'Documents'. Below this, there are tabs for 'Document Editor' and 'Import Documents'. The main content area shows search results for the 'NewBucket' bucket, with a limit of 10 and an offset of 0. The results are displayed in a table with columns for 'id' and 'N1QL WHERE'. The table contains 10 rows of document data, each with a unique ID and a corresponding N1QL query snippet. The interface also includes a sidebar with navigation links for Dashboard, Servers, Buckets, XDCR, Security, Settings, Logs, Documents, Query, Indexes, Search, Analytics, Eventing, and Views. At the bottom, there is a Windows taskbar with various application icons and a system clock showing 00:10 on 13-01-2021.

Bucket: NewBucket Limit: 10 Offset: 0 Document ID: optional... N1QL WHERE: no indexes available... Retrieve Docs

10 Results for NewBucket, limit: 10, offset: 0 enable field editing < prev batch | next batch >

	id	N1QL WHERE
   	10	{callsign:"MILE-AIR","country":"United States","iata":"Q5","icao":"MLA","id":10,"name":"40-Mile Air","type":"airline"}
   	10000	{airline:"AF","equipment":"320","id":10000,"schedule":[{"day":0,"flight":"AF198","utc":"10:13:00"}, {"utc":"19:14:00","day":0,"flight":"AF547"}, {"flight":"AF943","utc":"01:31:00","day":0}, {"utc":"12:...
   	10001	{airline:"AF","airlineid":"airline_137","destinationairport":"NCE","distance":2735.2013399811754,"equipment":"320","type":"route","id":10001,"schedule":[{"day":0,"flight":"AF248","utc":"21:24:00"},{...
   	10002	{distance":8748.296323466084,"id":10002,"sourceairport":"TNR","stops":0,"type":"route","airline":"AF","airlineid":"airline_137","destinationairport":"CDG","equipment":"772","schedule":[{"day":0,"flig...
   	10003	{destinationairport":"ATL","equipment":"757 739","schedule":[{"day":0,"flight":"AF986","utc":"22:26:00"}, {"day":0,"flight":"AF962","utc":"04:25:00"}, {"day":0,"flight":"AF301","utc":"12:11:00"}, {"day":...
   	10004	{airline:"AF","distance":9442.50092891188,"equipment":"777","sourceairport":"TPE","airlineid":"airline_137","destinationairport":"AMS","id":10004,"schedule":[{"day":0,"flight":"AF545","utc":"13:22:0...
   	10005	{airlineid":"airline_137","distance":1175.4394367597245,"schedule":[{"day":0,"flight":"AF117","utc":"23:12:00"}, {"utc":"16:52:00","day":0,"flight":"AF096"}, {"day":1,"flight":"AF210","utc":"14:25:00"}]...
   	10006	{destinationairport":"ATL","distance":365.28208402314306,"equipment":"CRJ","id":10006,"schedule":[{"day":0,"flight":"AF288","utc":"05:02:00"}, {"day":0,"flight":"AF230","utc":"19:40:00"}, {"day":0,"fli...
   	10007	{sourceairport":"TRN","airline":"AF","destinationairport":"CDG","distance":573.0051071016999,"equipment":"E90...

Dishant's ResumeHS.pdf

Go to Settings to activate Windows. Show all

Type here to search

00:10 13-01-2021