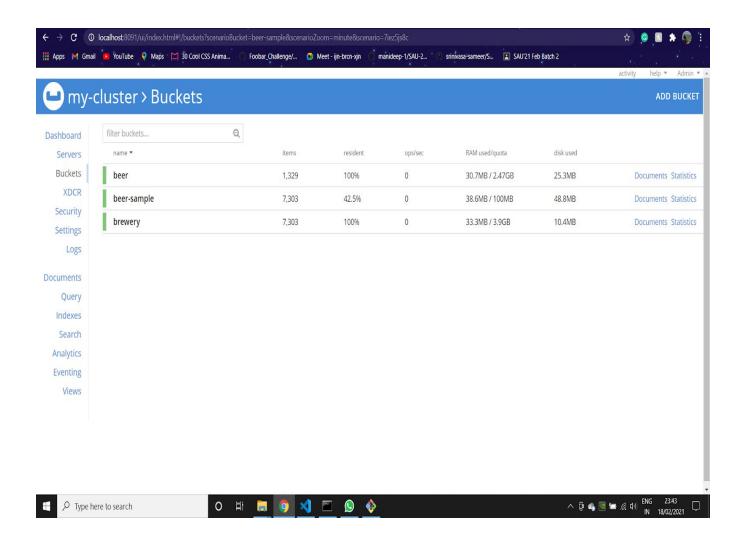
# 1. Import 'beer-sample' bucket.



2. Write a join query to fetch the Top 10 brewery(type="beer") and their country(type="brewery") which produces more varieties of beers.

# Query:

SELECT beer.name AS Brewery\_Name, brewery.country AS Country

FROM 'beer-sample' beer

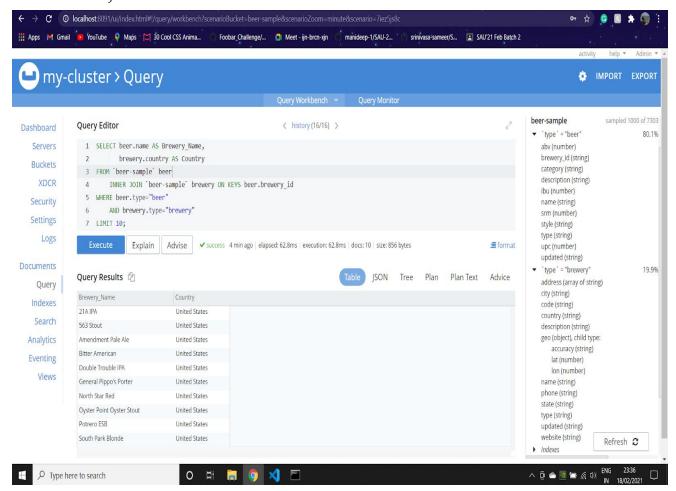
INNER JOIN 'beer-sample' brewery ON KEYS

beer.brewery id

WHERE beer.type="beer"

AND brewery.type="brewery"

## LIMIT 10;



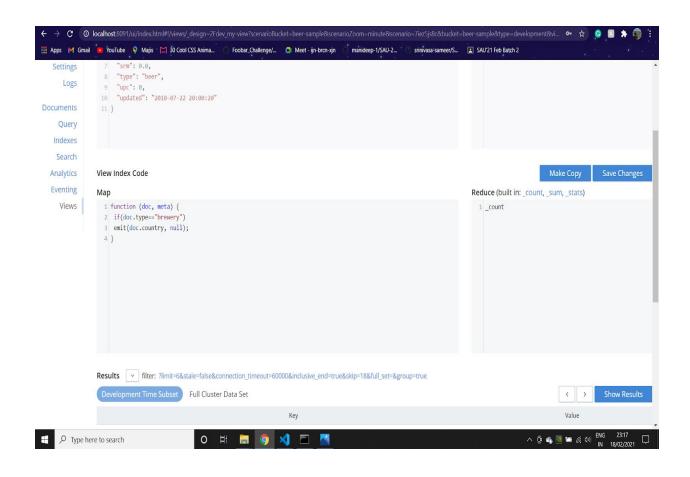
3. Write a mapreduce to get the number of breweries based on country. Please attach the mapreduce code and json output screenshot.

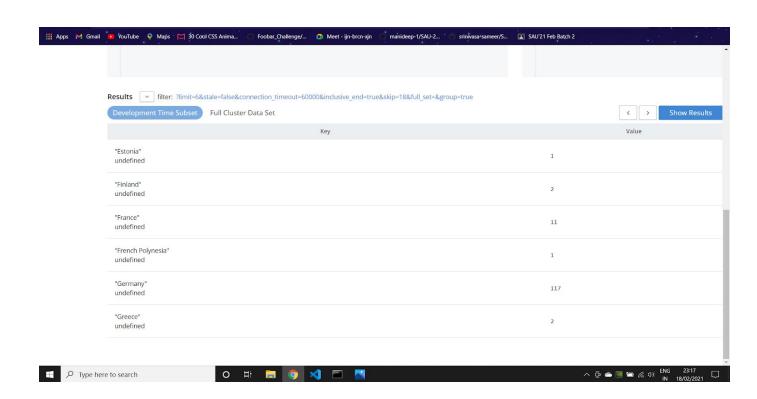
```
Map:
function (doc, meta) {
  if(doc.type=="brewery")
  emit(doc.country, null);
}

Reduce (built in: _count, _sum, _stats)
```

Output:

Please see the next page.

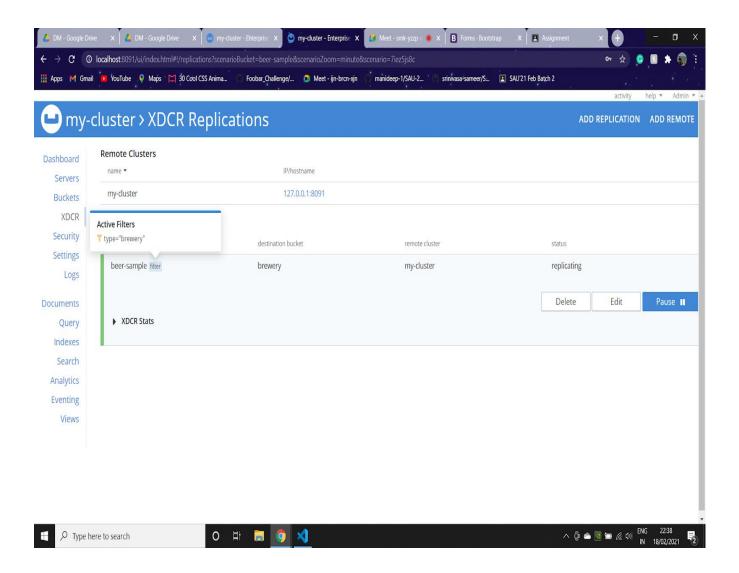




#### 4. XDCR:

- a) Add a new bucket "Brewery".
- b) Create a XDCR with a filter(type='brewery') to replicate only the

brewery entity from 'beer-sample' bucket.



### 5. CLI:

- a) Add a new bucket "Beer".
- b) Using CLI do a cbexport of the entire 'beer-sample'
- c) And do a chimport with "brewery\_id" as primary key. As a result, in the new bucket only "beer" documents will be imported with their respective brewery name as meta().id
- d) Share your observation on counts with screenshot.

#### Command Prompt

Microsoft Windows [Version 10.0.19042.804]

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C:\Users\LENOVO>cd C:\Program Files\Couchbase\Server\bin

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Admin -p sameer13 -b beer-sample -o C:/Desktop/beer.json -f lines -t 4
Json export failed: open C:/Desktop/beer.json: The system cannot find the path specified.

C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Admin -p sameer13 -b beer-sample -o C:/Users/LENOVO/OneDrive/Desktop/beer/beer.json -f lines -t 4
Json exported to `C:/Users/LENOVO/OneDrive/Desktop/beer/beer.json` successfully
Documents exported: 7303 Documents skipped: 0

