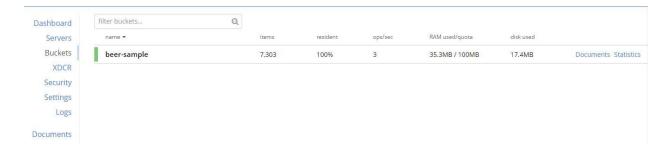
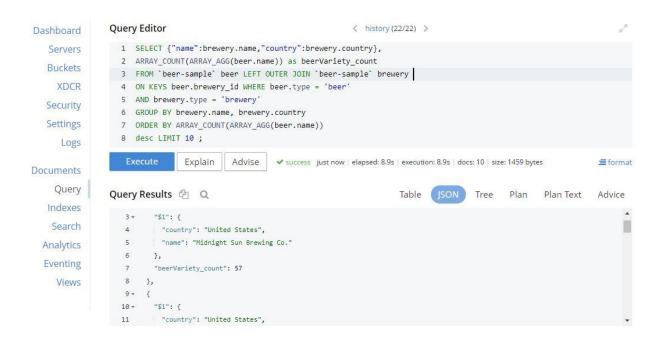
RuthvikSai

1)Import `beer-sample` bucket

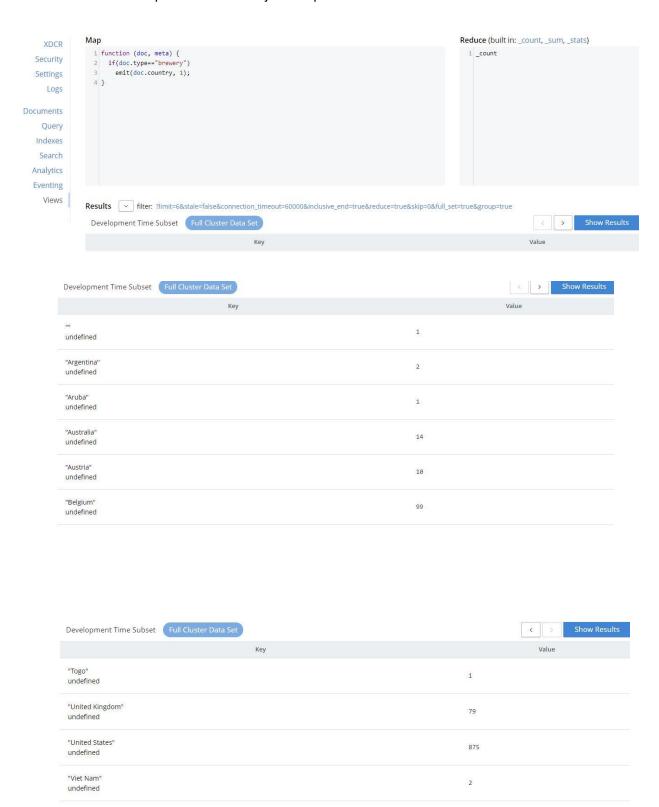


2)Write a join query to fetch the Top 10 brewery(type="beer") and their country(type="brewery") which produces more varieties of beers.

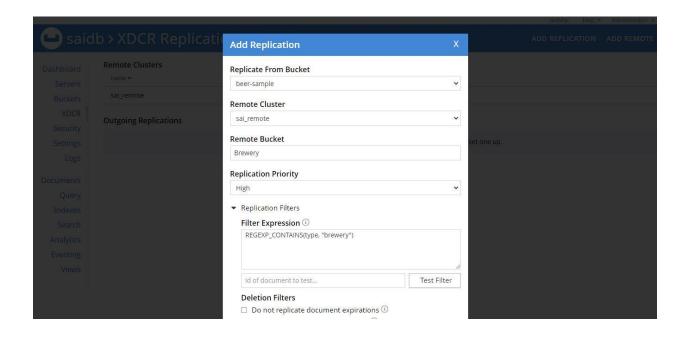


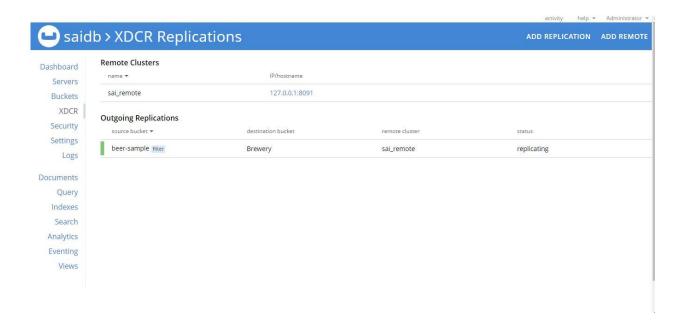
3. Write a mapreduce to get the number of breweries based on country.

Please attach the mapreduce code and json output screenshot.



- 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.





Dashboard show top keys Limit (1) Offset (1) Document ID ① show range N1QL WHERE (1) Bucket Servers Brewery **1**0 0 optional... Buckets enable field editing 10 Results for Brewery, limit: 10, offset: 0 < prev batch | next batch > XDCR id Security 21st_amendment_brewery_cafe {"address":["563 Second Street"],"city":"San Francisco","code":"94107","country":"United Settings States","description":"The 21st Amendment Brewery offers a variety of award winning house made brews a Americ... Logs 357 {"address": $\hbox{$\square$,"city":"","code":"","country":"","description":"","name":"357","phone":"","state":"","type":"brewery","updated and the state of the state o$ Documents 010-07-22 20:00:20","website":""} Query {"address":["Hoogstraat 2A"],"city";"Beersel","code":"","country":"Belgium","description":"","geo": {"accuracy":"RANGE_INTERPOLATED","lat":50.7668,"lon":4.3081},"name";"3 Fonteinen Brouwerij Ambachteli 3_fonteinen_brouwerij_ambachtelijke_geu Indexes zestekerij {"address":["407 Radam, F200"]."city":"Austin","code":"78745","country":"United States","description":"(512) Search 512_brewing_company Brewing Company is a microbrewery located in the heart of Austin that brews for the communi. Analytics aass_brewery {"address":["Ole Steensgt. 10 Postboks 1530"],"city":"Drammen","code":"","country":"Norway","description": Eventing Brewery was established in 1834 and is the oldest brewery in Norway today. It is located... Views {"address":["Dinant"],"city":"Dinant","code":"","country":"Belgium","description":"","geo": abbaye_de_leffe {"accuracy":"APPROXIMATE","lat":50.2606,"lon":4.9122},"name":"Abbaye de Leffe","phone":"","state":"Namur","ty... {"address":["Rue de Maredsous, 11"],"city":"Dene","code":"","country":"Belgium","description":"","geo": abbaye_de_maredsous



5. CLI:

- a) Add a new bucket "Beer".
- b) Using CLI do a chexport 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

```
C:\Program Files\Couchbase\Server\bin>couchbase-cli bucket-create -c 127.0.0.1 --username Administrator --password passw
ord --bucket Beer --bucket-type couchbase --bucket-ramsize 101
SUCCESS: Bucket created
```

```
C:\Program Files\Couchbase\Server\bin>cbexport json -c couchbase://127.0.0.1 -u Administrator -p password -b beer-sample -o C:/Users/user/Documents/Sai\NosqlAssignment/beer-sample.json -f lines -t 4
2021-02-19T11:34:48.295+05:30 WARN: (Couchbase) Unexpected error 'operation timed out after 5s' while trying to get sequ ence numbers, will retry in 5s -- couchbase.GetSequenceNumbers() at sequence_numbers.go:38
2021-02-19T11:35:03.305+05:30 WARN: (Couchbase) Unexpected error 'operation timed out after 10s' while trying to get seq uence numbers, will retry in 10s -- couchbase.GetSequenceNumbers() at sequence_numbers.go:38
Json exported to `C:/Users/user/Documents/Sai\NosqlAssignment/beer-sample.json` successfully
Documents exported: 7303 Documents skipped: 0
```

```
C:\Program Files\Couchbase\Server\bin>cbimport json -c couchbase://127.0.0.1 -u Administrator -p password -b Beer -f lin es -d file://C:/Users/user/Documents/Sai\NosqlAssignment/beer-sample.json -t 4 -g %brewery_id%
2021-02-19711:39:07.659+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.681+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.693+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.699+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.697+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.699+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.699+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.699+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.09+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
2021-02-19711:39:07.09+05:30 ERRO: Error in key expression at char 0, field 'brewery_id' does not exist -- jsondata.(*P arallelizer).Execute.func1() at source.go:217
```

Beer	1,329	100%	0	30.7MB / 101MB	7MB	Documents	Statisti
beer-sample	7,303	44.2%	0	37.2MB / 100MB	31MB	Documents	Statisti
Brewery	1,412	100%	0	30.9MB / 102MB	7.31MB	Documents	Statisti
Type: Couchbase Bucket RAM Quota: 102MB	Memory			Disk			
Cluster RAM Quota: 1.36GB			cluster quota (1.36 GB)			total cluster storage	(97 GB)
Replicas: 1	other buckets (201 MB) this bucket (102 MB) remaining (1.07 GB)			other buckets (38 MB) this bucket (7.31 MB) remaining (21.3 GB)			
Server Nodes: 1							
Ejection Method: Value-Only							
Conflict Resolution: Sequence Number							
Compaction: Not active							
					Delete	Compact	Edit