NAME: AHMED ALI ROLL NO: P19-0042 SECTION: 4B

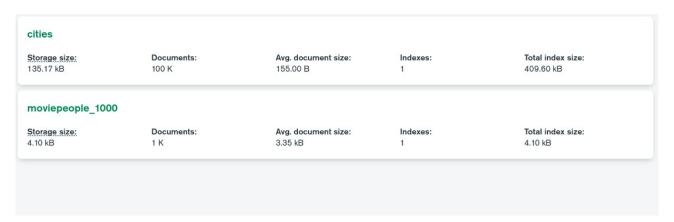
1) Create a database named your rollno_section (i.e. 18P0014_6B).

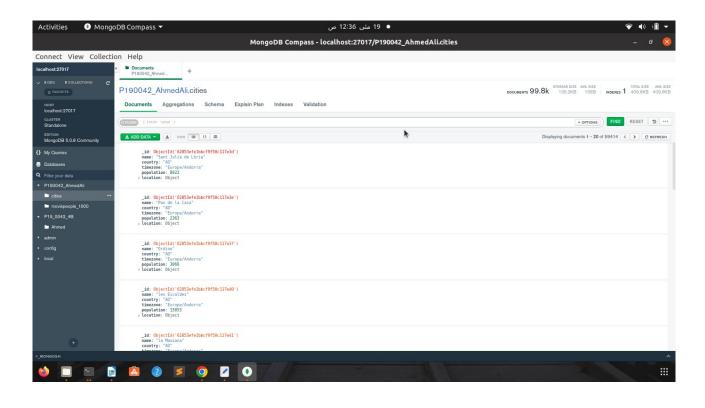
```
test> use P190042_AhmedAli
switched to db P190042_AhmedAli
P190042_AhmedAli> db
P190042_AhmedAli
```

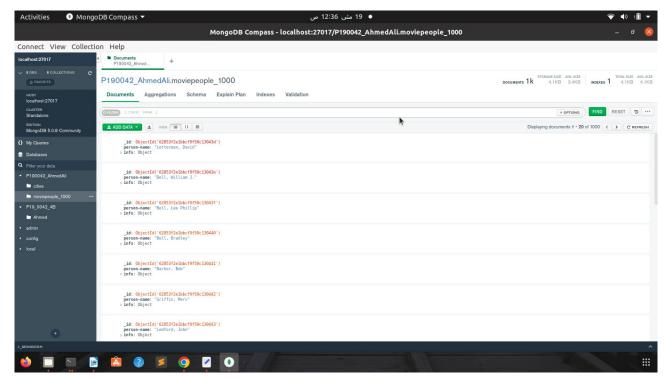
2) Create collections named cities and moviepeople_1000.

```
P190042_AhmedAli> db.createCollection("cities")
{ ok: 1 }
P190042_AhmedAli> db.createCollection("moviepeople_1000")
{ ok: 1 }
P190042_AhmedAli> show collections
cities
moviepeople_1000
```

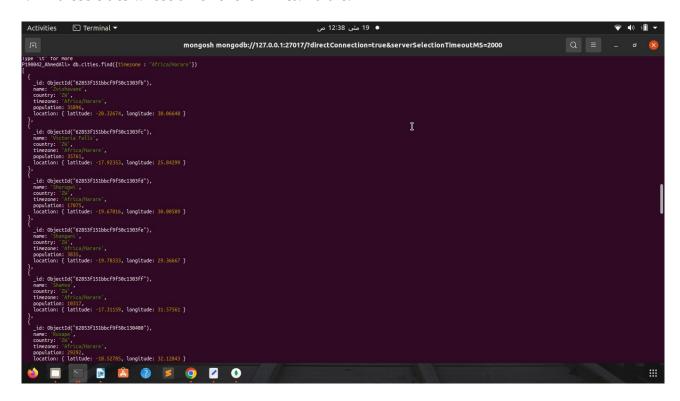
3) Import the documents cities.jsonl and moviepeople-1000.jsonl into the cities and moviepeople collection respectively by issuing the following command.

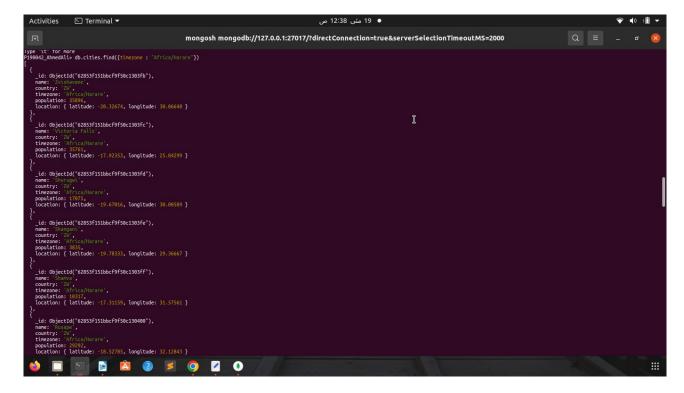






4) In the mongo shell client, write queries for finding: (hint: use cities collection) i. All those cities whose time zone is Africa/Harare.





ii. All those cities whose population is greater than 12985000.

iii. A city whose longitude equals to -58.37723. Your query should return location and population fields only. (hint: use projection)

5) Write a query to update the population from 35000 to 55000 whose country is PK and a location latitude of 73.2122. (hint: use cities collection)

```
P190042_AhmedAll> db.cities.updateMany({country:"PK" , "location.latitude":73.2122}, {$set : {population:55000}})
{
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 0,
    upsertedCount: 0
}
```

6) Write a query to delete the document whose timezone is Asia/Karachi and a country is PK. (hint: use cities collection)

```
P190042_AhmedAli> db.cities.deleteMany({timezone: "Asia/Karachi", country:"PK"})
{ acknowledged: true, deletedCount: 424 }
P190042_AhmedAli>
```

7) Write a query for finding the document whose birthname name array contains ("Freeman, Crispin McDougal") as a value. (hint: use moviepeople collection)