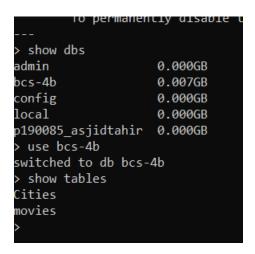
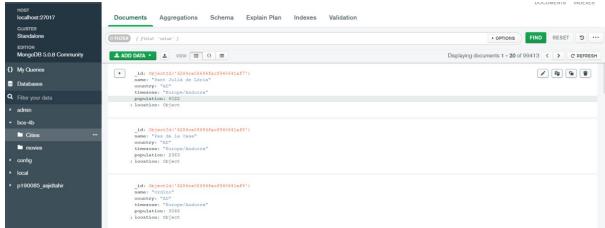
NAME: AHMED ALI

ROLL NO: P19-0042

LAB # 13





### Exercises:

1): db.Cities.find({population:{\$lt:30,\$ne:0}}).limit(2).pretty()

```
2): db.Cities.count({timezone : "Asia/Jakarta"})
> db.Cities.count({timezone : "Asia/Jakarta"})
1430
>
```

```
3): db.Cities.find({country : "PK",timezone: "Asia/Karachi"}).sort({population:-1}).forEach(printjson)
```

#### Note:

It is going to print 423 docs.

```
db.cities.find({country : "PK",timezone:"Asia/Karachi"}).sort({population:-1}).forEach(printjson)

"_id" : ObjectId("60c46d4a95da44e07b6918a1"),
    "name" : "Karachi",
    "country" : "PK",
    "timezone" : "Asia/Karachi",
    "population" : 11624219,
    "location" : {
        "longitude" : 24.9056,
        "latitude" : 67.0822
}

"_id" : ObjectId("60c46d4a95da44e07b691875"),
    "name" : "Lahore",
    "country" : "PK",
    "timezone" : "Asia/Karachi",
    "population" : 6310888,
    "location" : {
        "longitude" : 31.54972,
        "latitude" : 74.34361
}

"_id" : ObjectId("60c46d4a95da44e07b6918f2"),
```

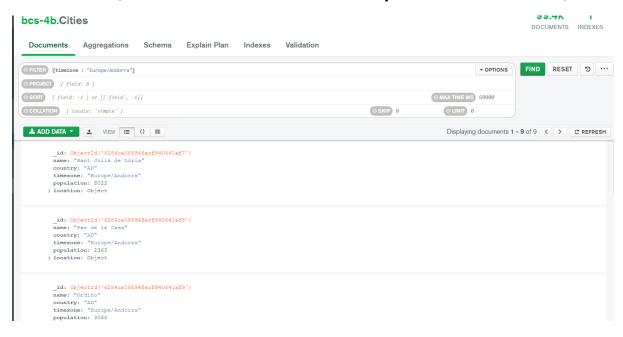
#### 4):

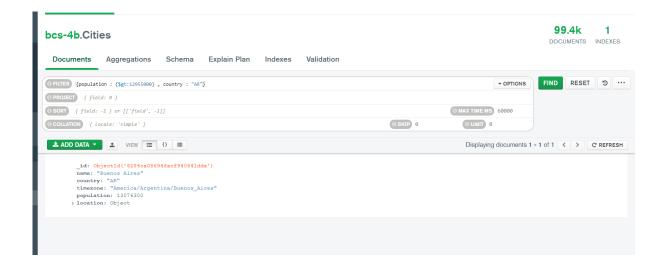
```
db.Cities.getIndexes()
db.Cities.createIndex({population:1})
db.Cities.dropIndex({population:1})
```

## MongoDB Compass Tasks:

#### 5:

i) {timezone : "Europe/Andorra"}





# iii) Filter:

{"location.longitude":{\$eq:1.6}}

Project:

{location:1,population:1,\_id:0}

