#### LAB TASK 13

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Roll No: P17-6102 LAB: Database System

**Instructor: Muhammad Usman** 

## **QUESTION 1**

>db.cities.find( { "population" : { \$lt:30 }, {\$ne:0} } ).limit(2).pretty()

### **QUESTION 2**

### **QUESTION 3**

```
"name" : "Rājo Khanāni",
"country" : "PK",
"timezone" : "Asia/Karachi",
"population" : 7683,
"location" : {
        "longitude" : 24.98333,
        "latitude" : 68.85
}

"_id" : ObjectId("60cSed30aad9a93edc5022a0"),
"name" : "Alik Ghund",
"country" : "PK",
"timezone" : "Asia/Karachi",
"population" : 7630,
"location" : {
        "longitude" : 30.4893,
        "latitude" : 67.52174
}

"_id" : ObjectId("60cSed30aad9a93edc5022a8"),
"name" : "Jām Sāhib",
"country" : "PK",
"timezone" : "Asia/Karachi",
"population" : 6869,
"location" : {
        "longitude" : 26.29583,
        "latitude" : 68.62917
}

"_id" : ObjectId("60cSed30aad9a93edc5021f1"),
"name" : "Kandiāri",
"country" : "PK",
```

## **QUESTION 4**

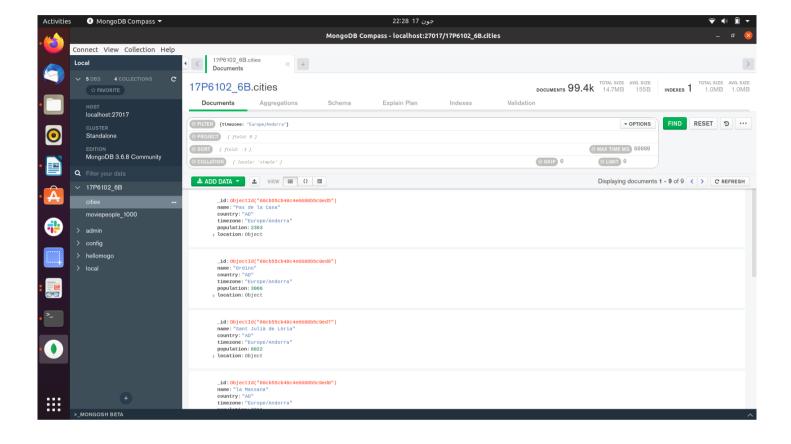
> db.cities.getIndexes();

> db.cities.createIndex( {"population":1} );

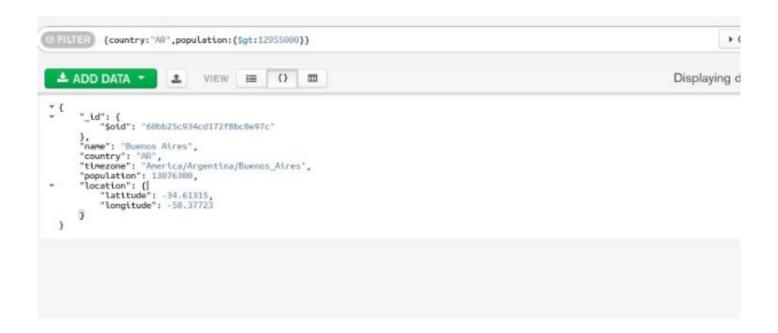
# > db.cities.dropIndex( { "population":1 } );

## **QUESTION 5**

## i. All those cities whose time zone is Europe/Andorra.



# ii. All those cities whose population is greater than 12955000 and country is AR.



# iii. A city whose longitude equals to 1.6. Your query should return location and population fields only. (hint: use project)

