Database System Lab

Task Name: Asjid Ahmed

Roll No: P17-6124

DB LAB Task: 12

Instructor: Muhammad Usman.

Exercise # 1

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

use 17P6124_6B;

```
> use 17P6124_6B;
switched to db 17P6124_6B
```

Exercise # 2

• Create collections named cities and moviepeople_1000

db.createCollection("cities");

db.createCollection("cmoviepeople_1000");

show collections;

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

Exercise # 3

• Import the documents cities.jsonl and moviepeople-1000.jsonl into the cities and moviepeople collection respectively

```
mongoimport --port 27017 --authenticationDatabase "admin" -u "myUserAdmin" -p "abc123" -d 17P6124_6B -c cities --file c:\Datasets\cities.jsonl
```

mongoimport --port 27017 --authenticationDatabase "admin" -u "myUserAdmin" -p "abc123" -d 17P6124_6B -c moviepeople_1000 --file c:\Datasets\moviepeople-1000.jsonl

```
C:\Program Files\MongoOB\Server\A.4\Din>mongoimport --port 27017 --authenticationDatabase "admin" -u "myUserAdmin" -p "abc123" -d 17P6124_68 -c cities --file c:\Datasets\cities.jsonl
2021-06-27109-131:42, 723-0500
2021-06-27109-131:45, 723-0500
2021-06-27109-131:45, 723-0500
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2021-06-27109-131:49, 243-0500
202
```

```
use 17P6124 6B;
switched to db 17P6124 6B
 db.cities.find( ).pretty()
        "_id" : ObjectId("60d7faf6ced93499c298ca19"),
        "name" : "la Massana",
"country" : "AD",
"timezone" : "Europe/Andorra",
        "population" : 7211,
        "location" : {
                 "longitude": 42.54499,
                 "latitude" : 1.51483
        }
        " id" : ObjectId("60d7faf6ced93499c298ca1a"),
        "name" : "les Escaldes",
        "country" : "AD",
"timezone" : "Europe/Andorra",
        "population" : 15853,
        "location" : {
                 "longitude" : 42.50729,
                 "latitude" : 1.53414
```

```
y do.movispecole_1000.find( ).pretty()

"id": o'bjectid("60077557442)ff6c447257e"),
"person-name": "Bell, William D.",
"Info" "youtes": [
"quotes": [
"youtes": [
"youtes": [
"youtes": [
"youtes": [
"youtes": [
"You wife, 'Lee Phillip Bell' (qw) had her own television show in Chicago when I started doing serials. We both knew there were problems with secular the television business, so we promised each other that if one of us got fired, the other would quit his job and we'd go live in Europe for a year. Neither one of us were the television business, so we promised each other that if one of us got fired, the other would quit his job and we'd go live in Europe for a year. Neither one of us were the elevation of the proof of t
```

Exercise # 4

1) db.cities.find({ "timezone": "Africa/Harare" }).pretty()

2) db.cities.find ({ population : { \$gt: 12985000 }}).pretty()

3) db.cities.find({"location.longitude" :{\$eq :-58.37723}},{location:1,population:1}).pretty()

Exercise # 5

db.cities.update({country:"PK","location.latitude" :{\$eq: 73.2122},population:{\$eq: 35000}},{\$set: {population: 55000}})

```
> db.cities.update({country:"PK","location.latitude" :{$eq: 73.2122},population:{$eq: 35000}},{$set: {population: 55000}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

db.cities.find({country:"PK","location.latitude" :{\$eq: 73.2122},population:{\$eq: 55000}})

```
> db.cities.find({country."PK","location.latitude" :{$eq: 73.2122},population:{$eq: 55000}})
{ ".id" : ObjectId("60d7faf8ced93499c299d363"), "name" : "Malakwal City", "country" : "PK", "timezone" : "Asia/Karachi", "population" : 55000, "location" : { "longitude" : 32.55
492, "latitude" : 73.2122 } }
>
```

Exercise # 6

db.cities.deleteMany({"timezone": "Asia/Karachi", country: "PK" })

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

Exercise # 7

db.moviepeople_1000.find({"info.birthname":"Freeman, Crispin McDougal"}).pretty()