Eman Fathi Intake42

MongoDB Lab1

- 1- Install mongodb
- 2- Add mongo DB folder to your system variables path
 Go to -> Edit System environment variables -> Environment variables->
 inside system variables choose path and add "C:\Program
 Files\MongoDB\Server\4.0\bin" apply and exit.
- 3- Open server (on windows shell using command "mongod");
- 4- Open another shell for client using command "mongo" or ROBO3T Tool
- 5- Create database with name ITI → by typing use ITI
- 6- start create new collection named instructors following with inserts
 - a- Insert your own data
 - b- Insert instructor without firstName and LastName (mongo will raise an error or not ?)
 - c- Using array contained with lab folder instructors.txt file.
 - d- <u>BONUS</u> Include data contained in json file (instructors.json) in your lab folder using administration mongoimport command

In Windows Shell

mongoimport --db ITI --collection instrcutors --file filename.json --jsonArray

- 7- Try the following queries: (all queries should be run using find or findOne)
 - a- Display all documents for instructors collection
 - b- Display all instructors with fields firstName, lastName and address
 - c- Display firstName and city(not full address) for instructors with age 21.
 - d- Display firstName and age for instructors live in Mansoura city.
 - e- Try to run these commands

```
1-
db.instructors.find({firstName:"mona"},{lastName:"ahmed"},{firstName:
1,lastName:1})
Explain the output!!
2- db.instructors.find({courses:"mvc"},{firstName:1,courses:1})
Explain the output!
```