MongoDB Lab1

1- Install mongodb

2- Add mongo DB folder to your system variables path

Go to -> Edit System environment variables -> Environment varaibles->
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- **BONUS** 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!