MongoDB Lab2

1- run following queries on instructors collection:
   a- Display all documents in instructors collection
   b- Display all instructors with salaries greater than 4000 (only show firstName and salary)
   c- Display all instructors with ages less than or equal 25.
   d- Display all instructors with city mansoura and sreet number 10 or 14 only display (firstname,address,salary).
   e- Display all instructors who have js and jquery in their courses (both of them not one of them).
   f- Display number of courses for each instructor and display first name with number of courses.

   ```
   mona 4
   mazen 3
   badr 4
   ebtesam 6
   noha 4
   mona 4
   mazen 3
   ebtesam 5
   ```

   g- Write mongodb query to get all instructors that have firstName and lastName properties , sort them by firstName ascending then by lastName descending and finally display their data FullName and age
   Note: use mongoDb sort method not javascript array method

   ```
   FullName : badr ahmed , Age: 22
   FullName : ebtesam hesham , Age: 21
   FullName : ebtesam ahmed , Age: 28
   FullName : mazen mohammed , Age: 21
   FullName : mazen ali , Age: 30
   FullName : mona mohammed , Age: 21
   FullName : mona ahmed , Age: 21
   FullName : noha hesham , Age: 21
   ```

   BONUS: create new collection with step g values data and name it instructorsData

   h- Find all instructors that have fullName that contains "mohammed".
   i- Delete instructor with first name "ebtesam" and has only 5 courses in courses array
   j- Add active property to all instructors and set its value to true.

k- Change "EF" course to "jquery" for "mazen mohammed" instructor (without knowing EF Index)

l- Add jquery course for "noha hesham".

m- Remove courses property for "ahmed mohammed " instructor

n- Decrease salary by 500 for all instructors that has only 3 courses in their list ($inc)

o- Rename address field for all instructors to fullAddress.

p- Change street number for noha hesham to 20