Data Centric Web Applications

Lab 5 MongoDB II

1. Create a collection called users2 with the following data:

_id	fname	surname	age	email	sex	title	car
100	John	Smith	35	jsmith@gmail.com	M	Mr	reg: 131-G-101 fuel:petrol
101	Sean	Murphy	22	seanmurph@yahoo.com	M	Mr	reg: 172-G-200 electric:true
102	Aine	Browne	23	abrowne@gmail.com	F	Ms	
103	Alan	Murphy	25	murpha@hotmail.com	M		
104	Sarah	Doyle	24	sarah@gmail.com	F		reg:141-MO-123 fuel:diesel
105	Bill	Mulligan	20	billy123@gmail.com	M		reg: 12-RN-445 fuel:Petrol
106	Shane	Kelly	25	sk998@yahoo.com	M	Mr	reg: 11-WH-7783 fuel:petrol
107	Will	Doyle	20	doyler123@yahoo.com	M	Mr	

2. Give the mongodb command to show the indexes on the users2 collection.

3. Give the mongodb command to create an ascending index on the *age* attribute.

4. Give the mongodb command to create a descending index on the *surname* attribute.

5. Give the mongodb command to create a descending index on the *age* attribute.

6. Give the mongodb command to remove the ascending index on the *age* attribute.

7. Give the mongodb command to show **only** the *fname* and *surname* attributes of users who don't have a car.

8. Give the mongodb command to show **only** the *fname*, *surname, reg* and *fuel* attributes of users who have a car.

9. Give the mongodb command to list details of all users (except for their car). The list should be in sorted by name.

10. Give the mongodb command to list **only** details of all cars. The list should be in sorted by car registration.

11. Give the mongodb command to list the documents that have an *electric* attribute in the *car* attribute.

12. Give the mongodb command to list only the *fname* and *surname* attributes of users who have a *petrol car.*

13. Give the mongodb command to delete all females between the ages of 21 and 24 inclusive.

14. Give the mongodb command to delete the *fuel* attribute from all documents.

15. Give the mongodb command to give everyone who owns a car the title of *Owner*.

16. Give the mongodb command to increase the *age* of all Males who own a car by 10 years.