مکتب شریف

اولین بوتکمپ آموزشی - استخدامی ایران

mongoDB

مکتب ۵۱

Please download the json dataset file to do the followings:

A. **After downloading data, save them to the mongodb manually.**
(capture one sample of adding your data to your answer(PDF))
Note: Capture your insert code and it's result. If you have many things, capture just one
sample of insertion.

B. Make the following queries. Capture the results and paste them to your answer(PDF).
Note: Capture the queries and its results.

-Find the firstname and lastname of all users that have more than 50 years and reside on
گلستان. (their city = 'گلستان')

-We want to reward those users who have registered on our site for more than 20 years. Find
their last name, phone and address.

-At the end of each day, we want to grant a discount code or a gift to those whose birthday is
today and send them a "Happy Birthday" email. Find the full name and email address of these
guys.(By running the query we can have the info of those users which their birthday is today)

-Find the number of users based on their province(=state). For example Isfahan, 30
Tehran, 50

-Which city has the most number of users and which one has the least number of users?

-Compare the average of users' age in Tehran with the average of users' age in other cities.

-For an advertisement, we want to categorize users based on their age. Write a query to
categorize them into three groups 1)youth 2)middle-aged 3)old:
Youth for ages < 16
Middle-aged for 16 < ages <40
Old for ages >40

C. By using pymongo, save the information of these users to a new collection and make sure that the info of all users is saved to your collection using "count".
Note: Capture your code and it's result. Do not forget to append your python file to your document.

نکات

- مهلت ارسال تمرین تا پایان روز یک شنبه 00/3/16 است. پاسخ تمرین را در کارتابل آموزشی خود ارسال کنید.
- نام فایل و ایمیل ارسالی خود را به این صورت قرار دهید: Name_hw8_maktab51 به عنوان مثال Mohammad_Ali_Kargar_hw8_maktab51.
- در صورت لزوم یک فایل word به عنوان توضیح در کنار کدهای خود قرار دهید.
- در صورتی‌که تمرین شامل چند فایل و فولدر می‌باشد حتماً آن‌ها را قالب یک فایل فشرده‌شده تجمیع کنید.
- در صورتی‌که سوالی دارید در گروه تلگرامی بپرسید.