**BDA LAB 6**

**CE142 SEM 7**

**Aim : "Connecting to NoSQL database/s and querying to provide analysis using api like aggregation, etc. To be able to successfully import/export from/to CSV."**

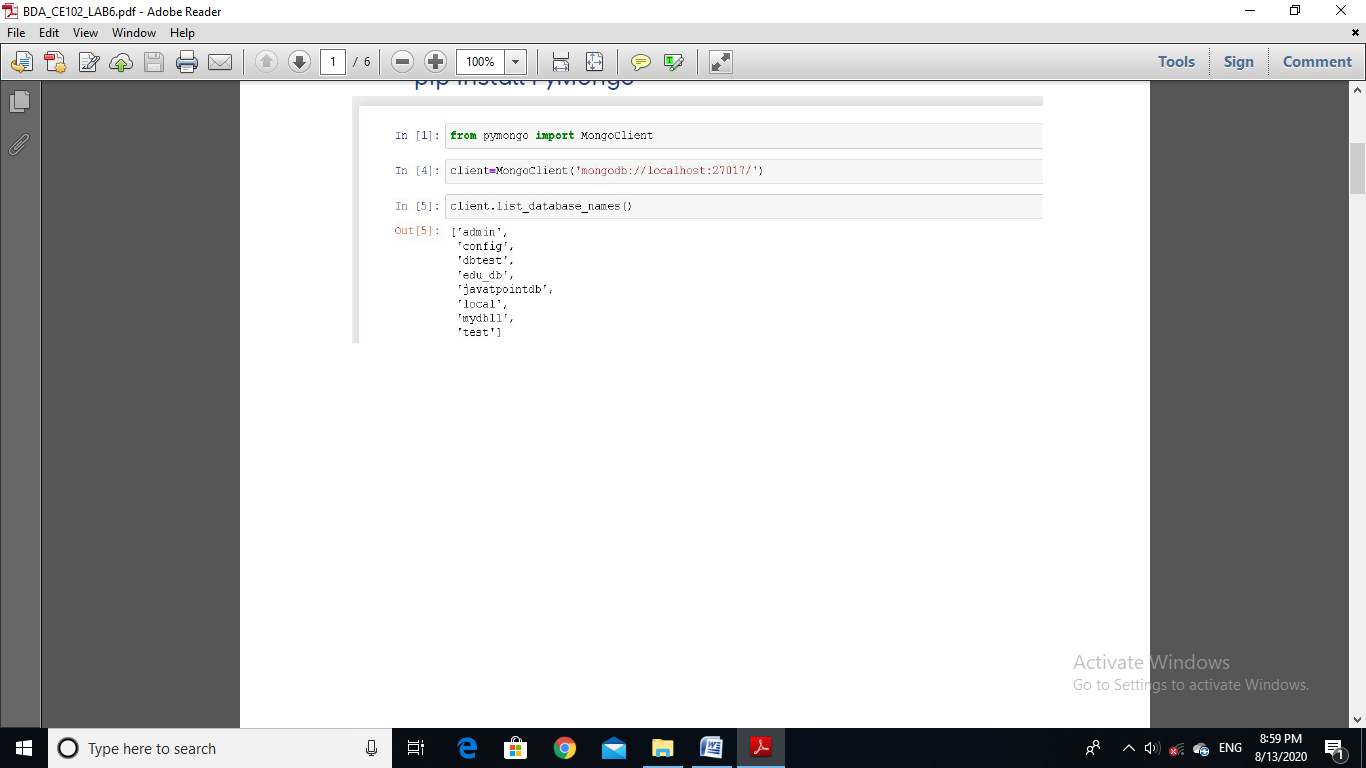
**Exercise:**

**1. Set up mongodb with python using pymongo module**

**For that run the following command on your command**

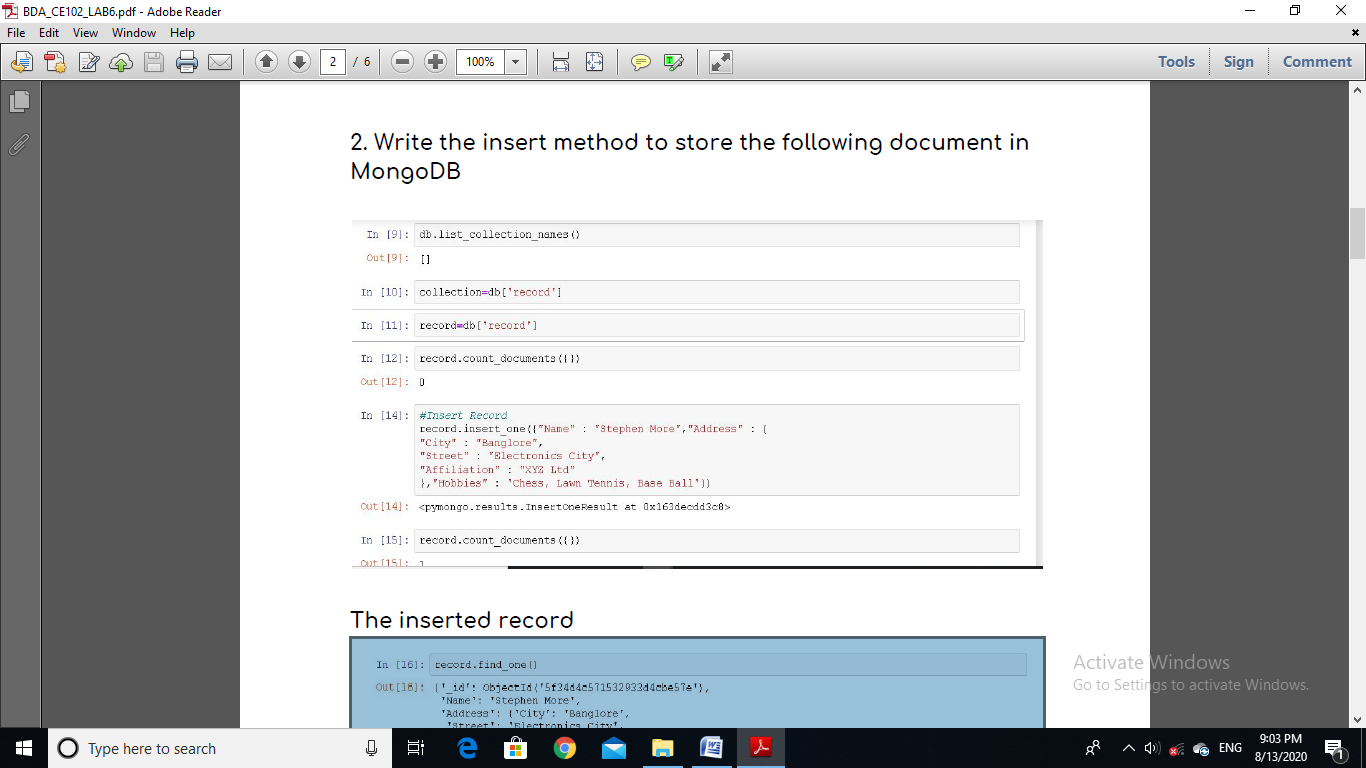
**Prompt**

**-pip install PyMongo**

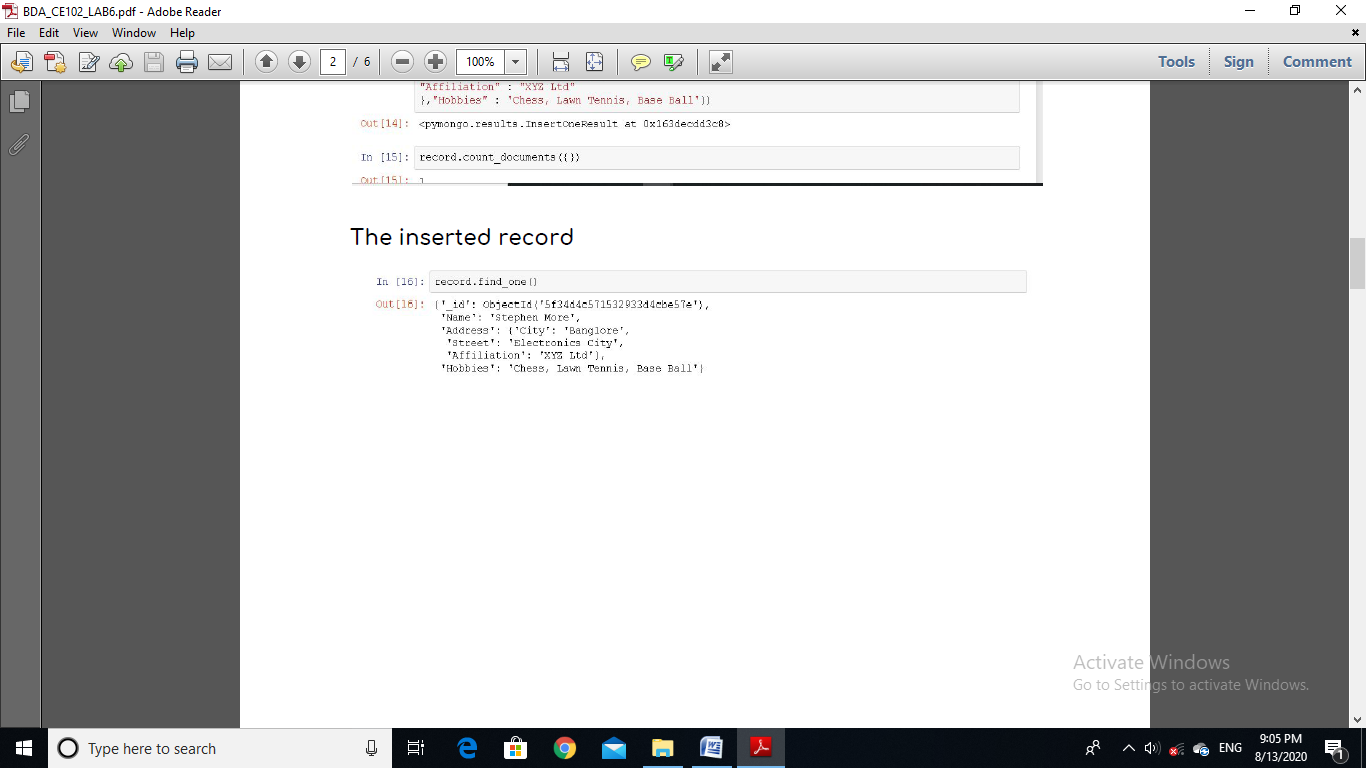
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**2. Write the insert method to store the following document in**

**MongoDB**

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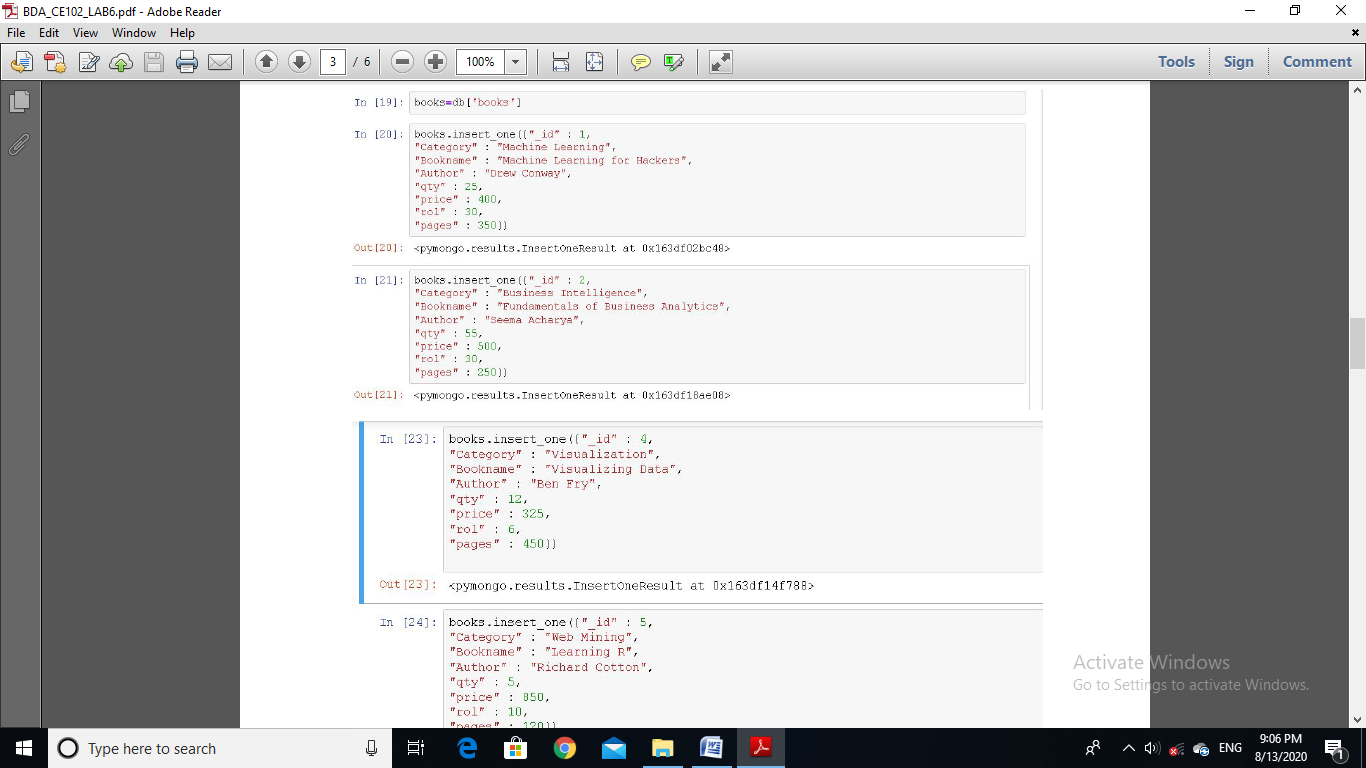
**The inserted record**

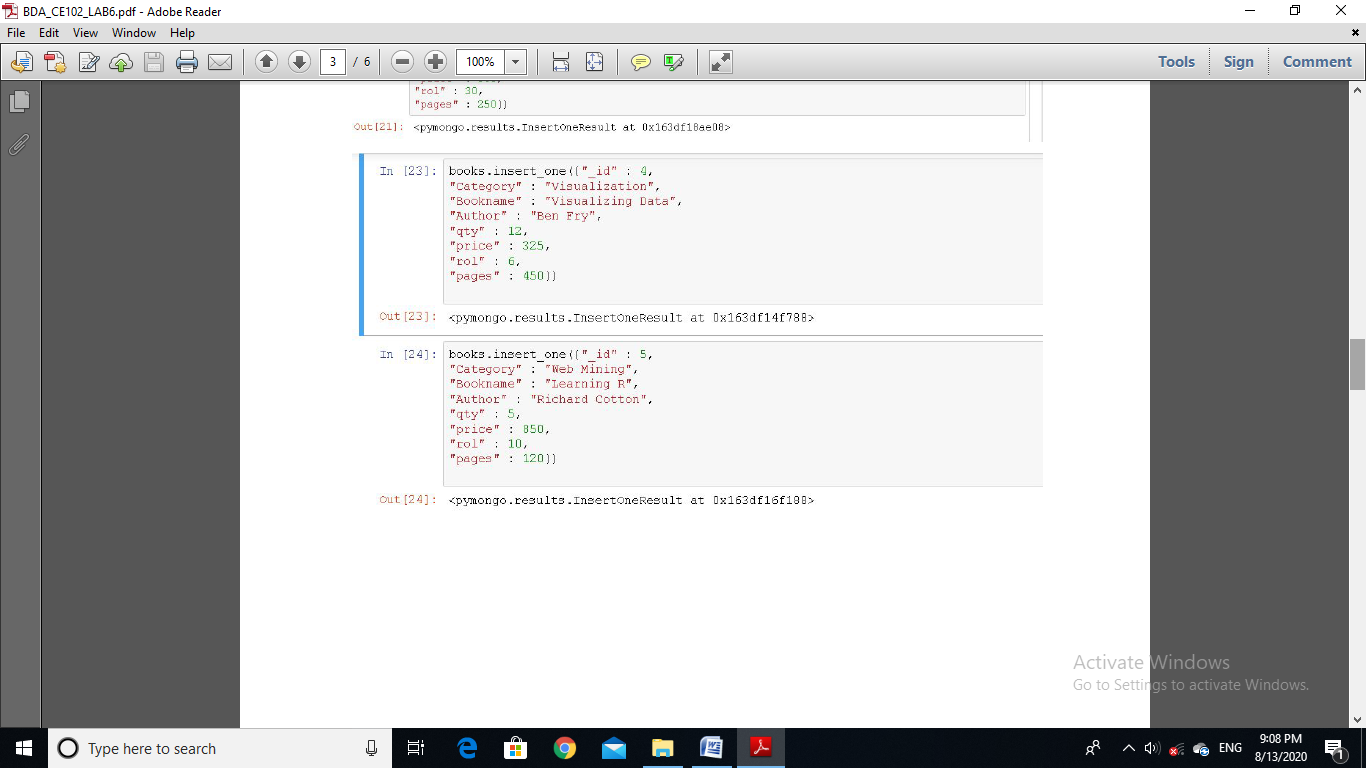
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**3. To practice MapReduce programming in MongoDB.**

**Step. 3.1 : Insert 5 documents as shown below in collection**

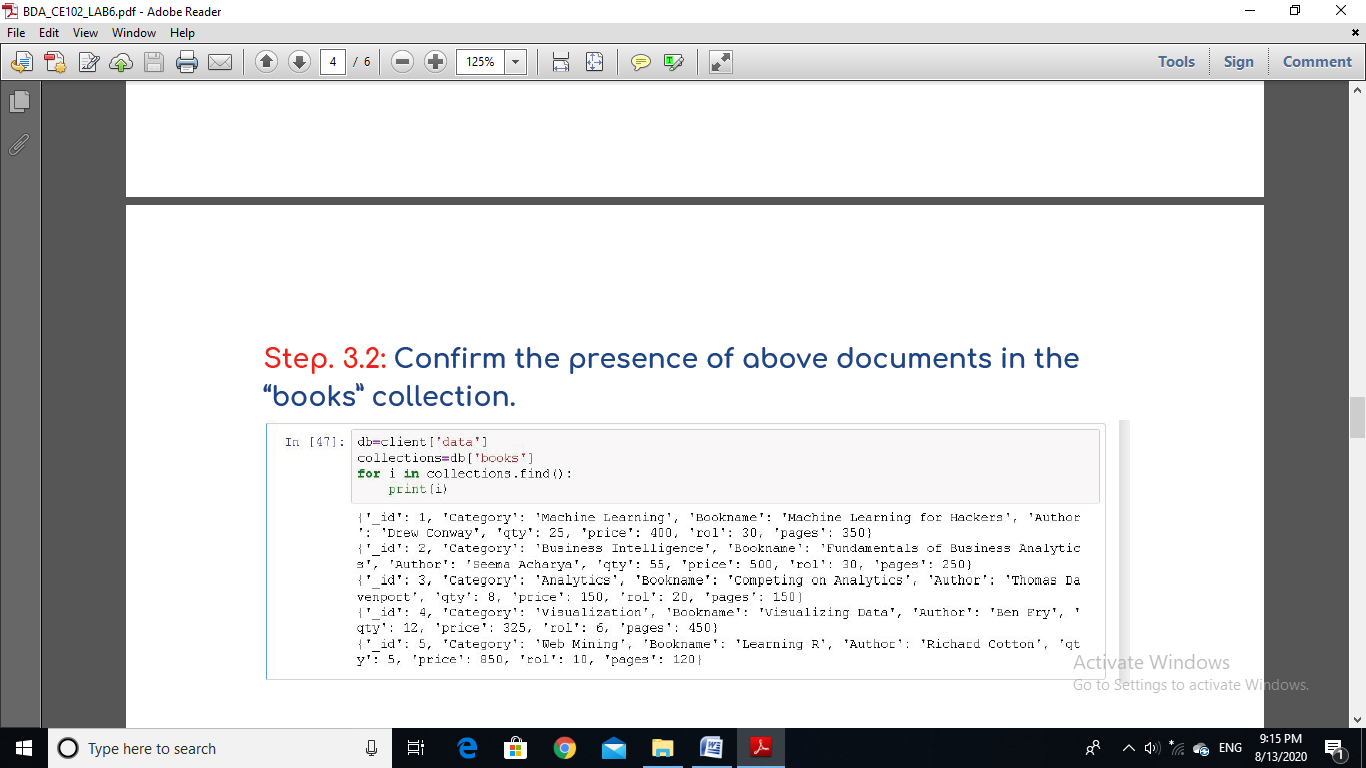
**named 'books'.**

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**Step. 3.2: Confirm the presence of above documents in the**

**“books” collection.**

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**Step. 3.3: Write map and reduce functions to split the books**

**into the following two categories:**

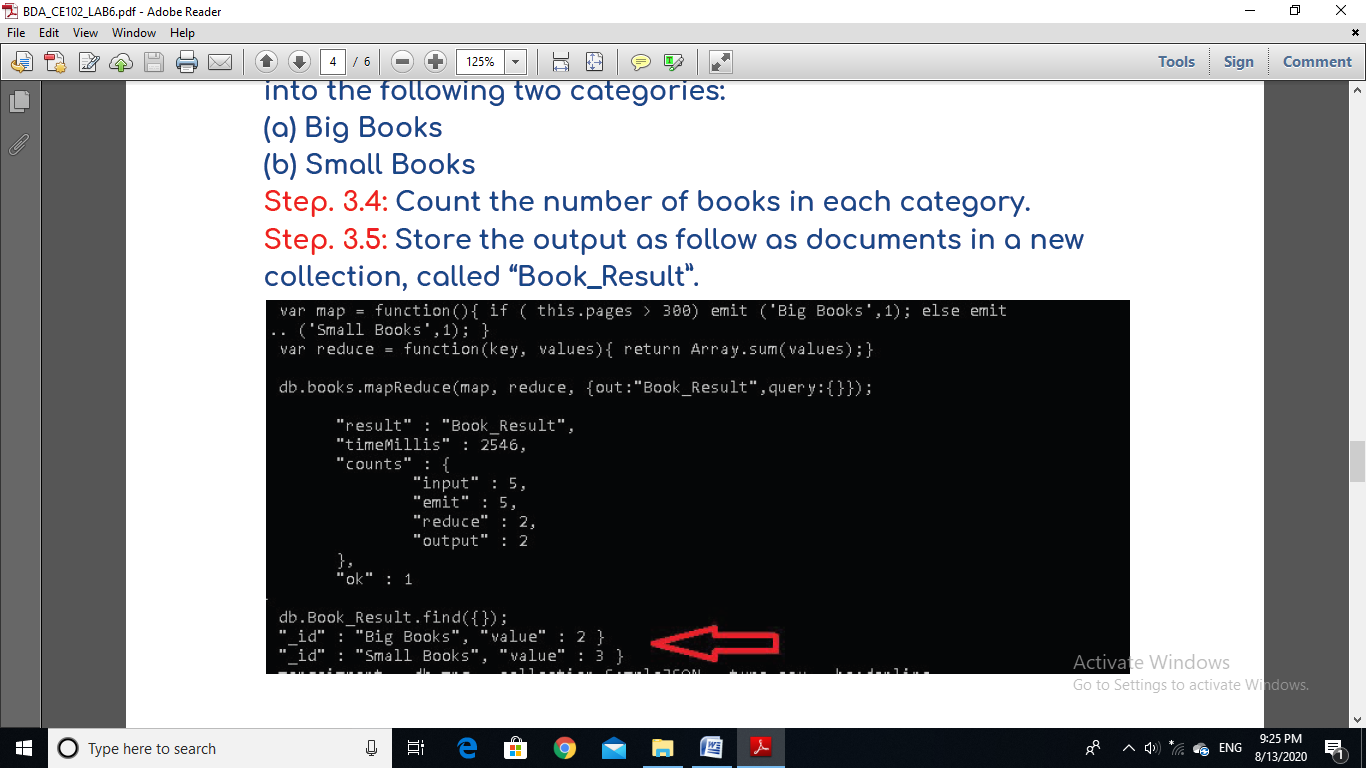
**(a) Big Books**

**(b) Small Books**

**Step. 3.4: Count the number of books in each category.**

**Step. 3.5: Store the output as follow as documents in a new**

**collection, called “Book\_Result”.**

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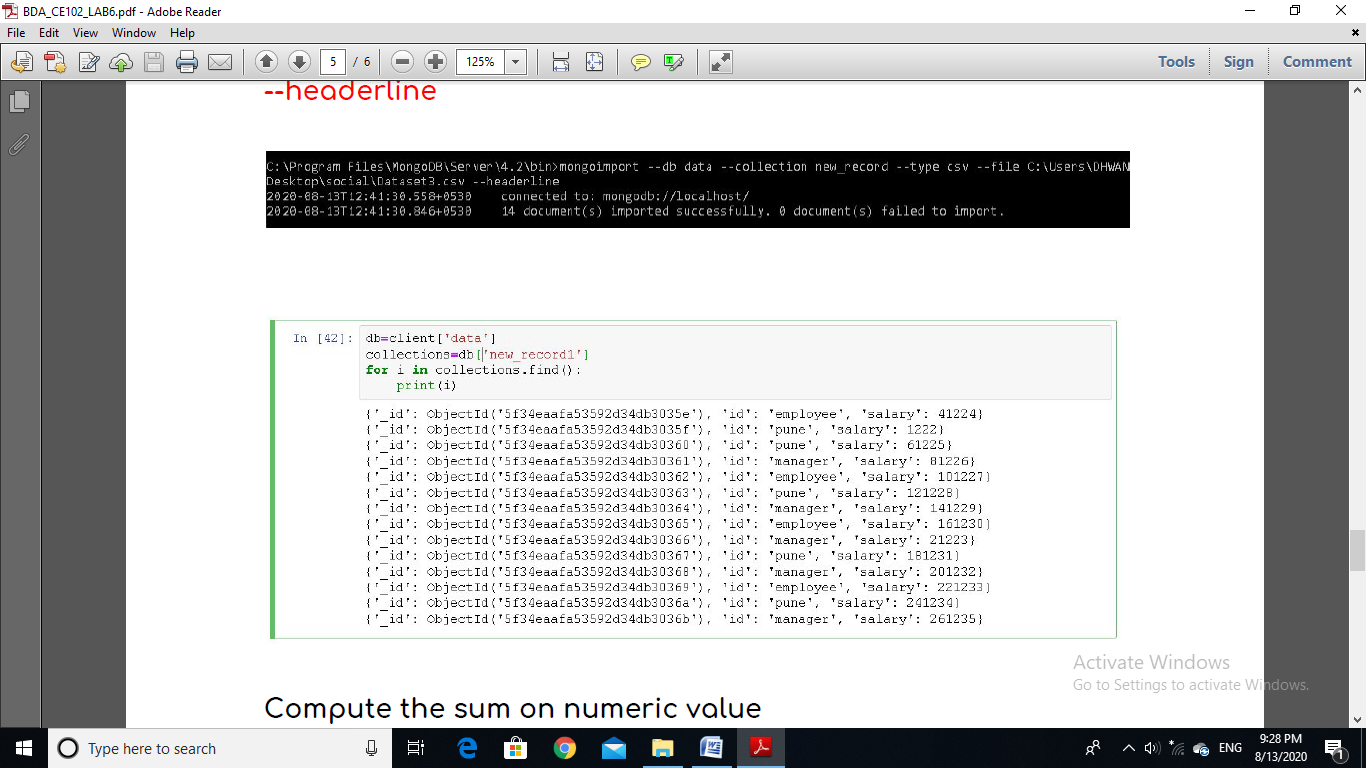
**4. To practice import, export and aggregation in MongoDB.**

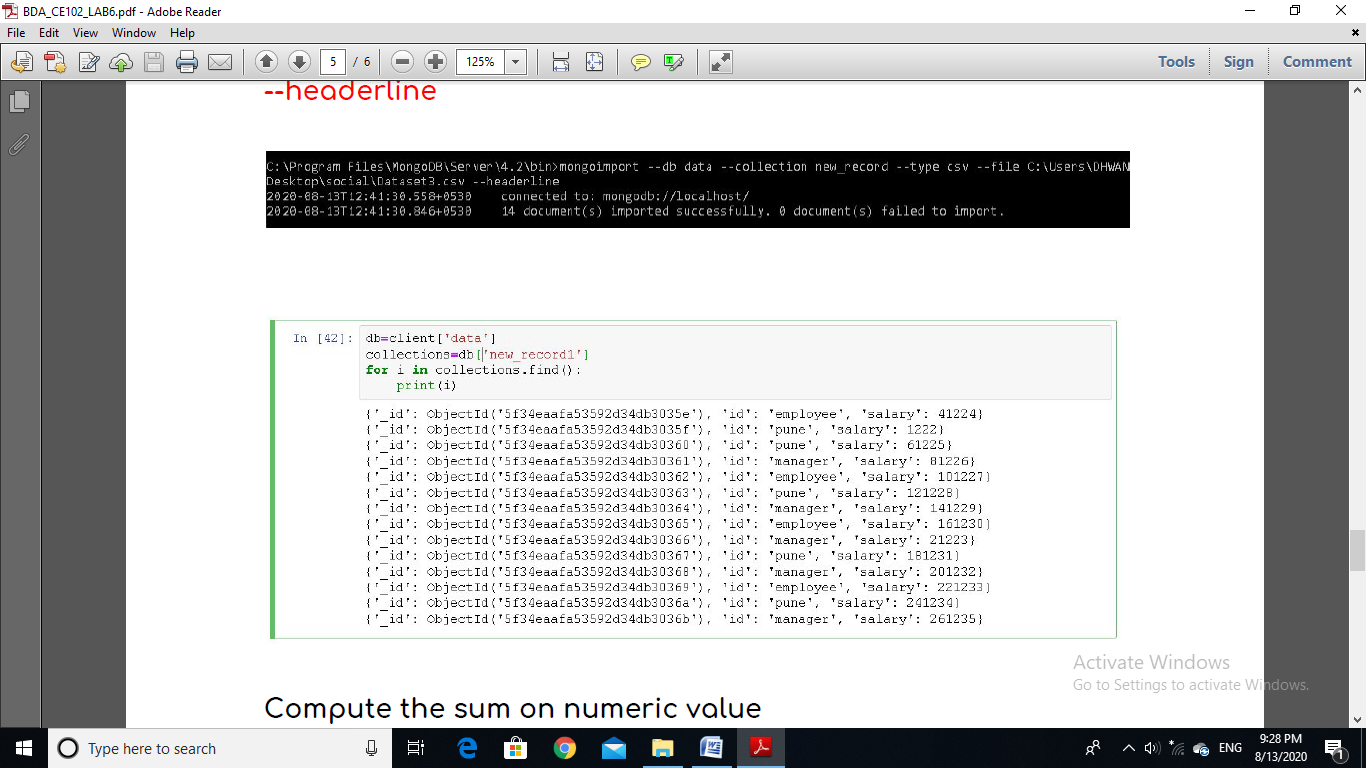
**Run the following command to import the data from csv file.**

**mongoimport --db data --collection new\_record --type csv**

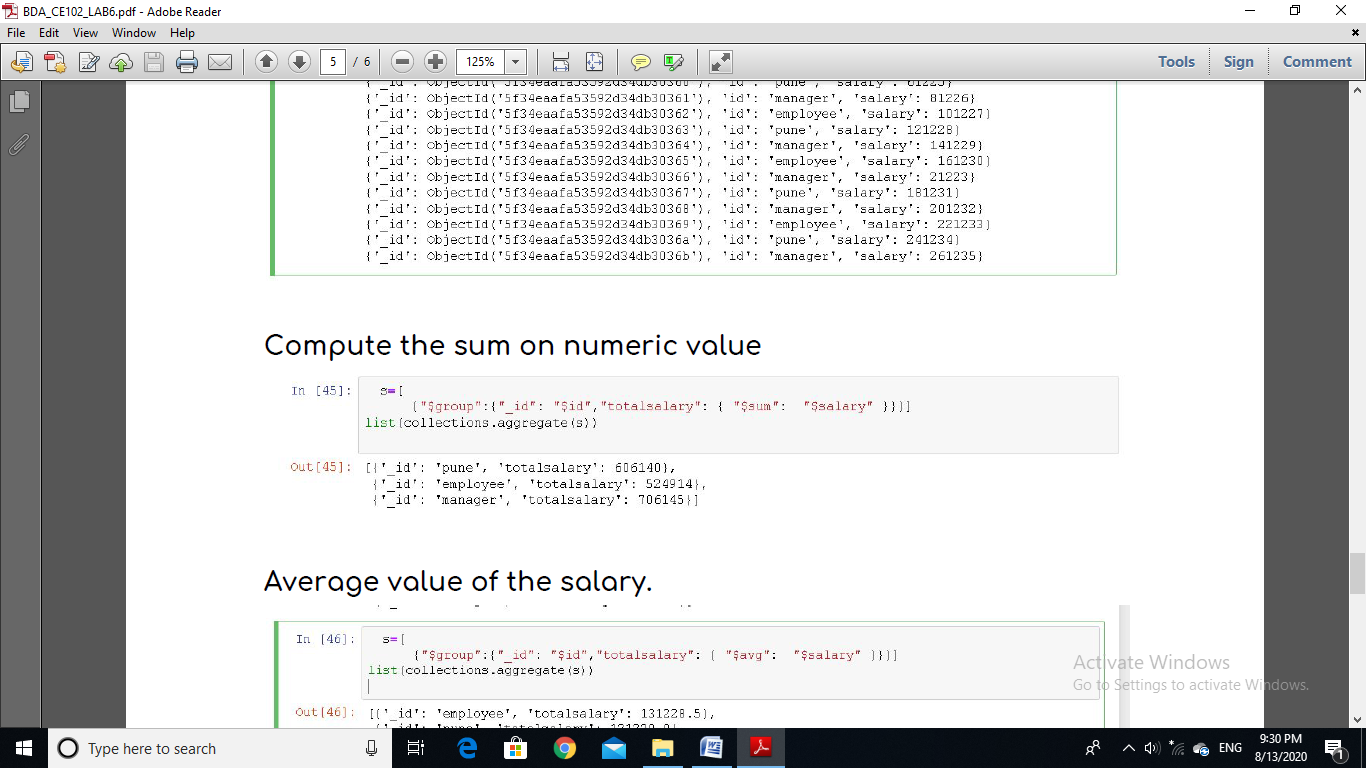
**--file C:\Users\abc\Desktop\social\Dataset3.csv**

**--headerline**

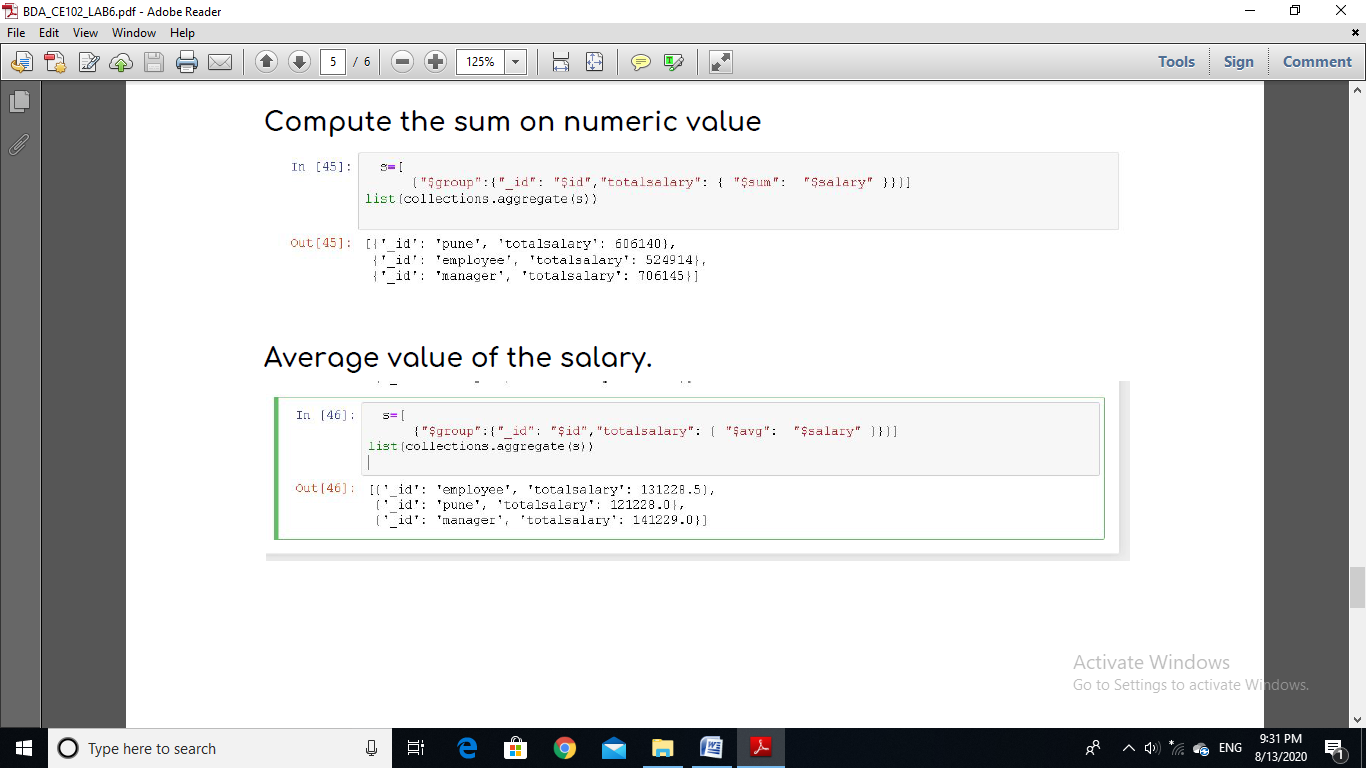
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**Compute the sum on numeric value**

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**Average value of the salary.**

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**5. Exercise Python to MongoDB Connectivity using JuPyter**

**Notebook.**

**We can use imongo, for that you can run following command**

**Pip install imongo-kernel**

**We can use PyMongo , for that you can run**

**Pip install PyMongo**

**And import pymongo in jupyter**