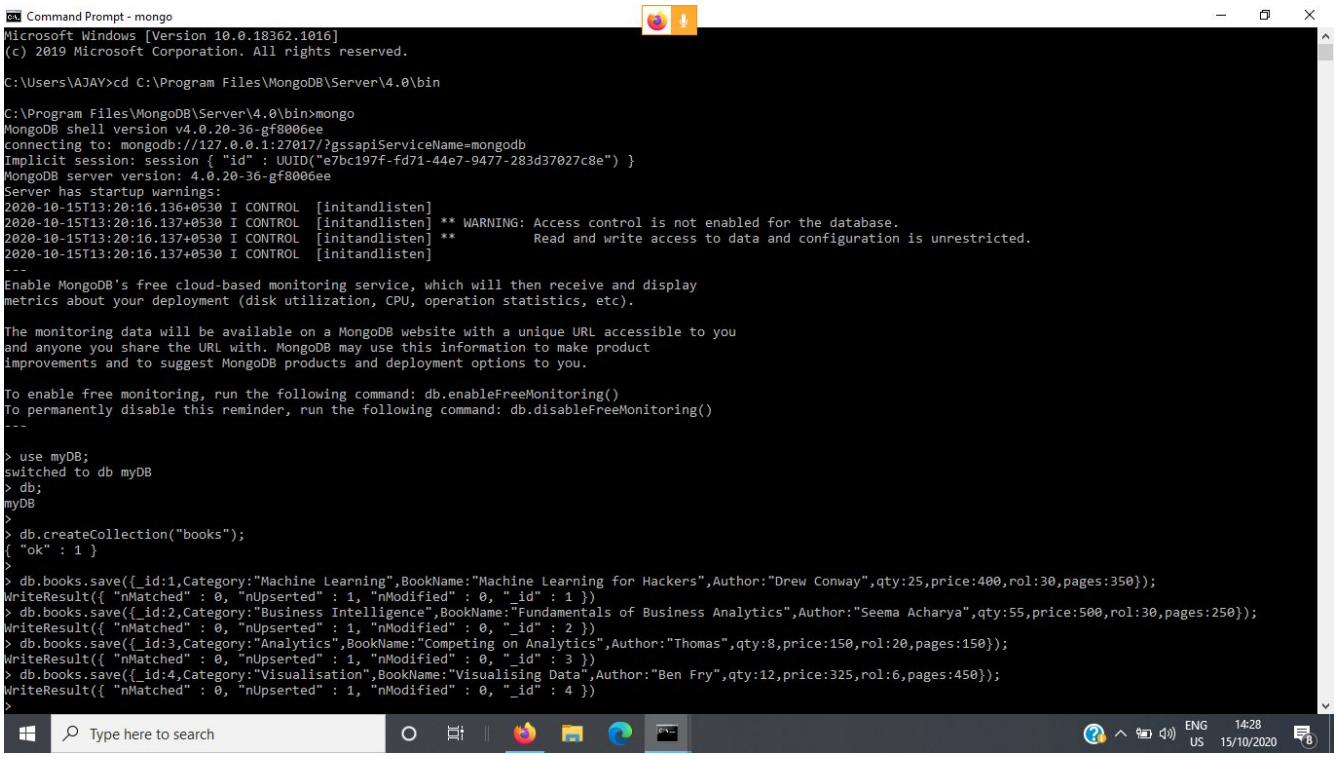
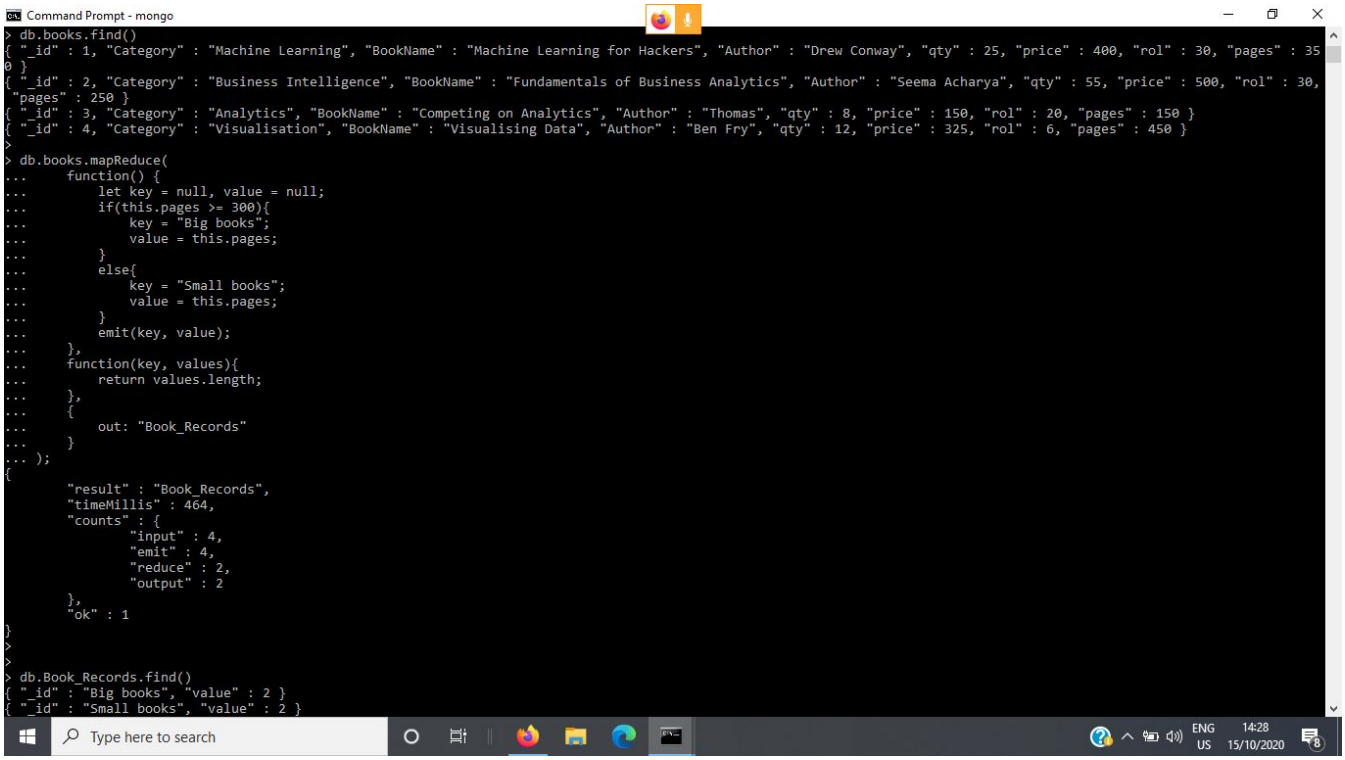
BDA LAB 5(1BM17CS082) _ScreenShot -- Assignment 1



```
Command Prompt - mongo
Microsoft Windows [Version 10.0.18362.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\AJAY>cd C:\Program Files\MongoDB\Server\4.0\bin

C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
connecting to: mongodb://127.0.0.1:27017/?gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("e7bc197f-fd71-44e7-9477-283d37027c8e") }
MongoDB server version: 4.0.20-36-gf8006ee
Server has startup warnings:
2020-10-15T13:20:16.136+0530 I CONTROL  [initandlisten]
2020-10-15T13:20:16.137+0530 I CONTROL  [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-10-15T13:20:16.137+0530 I CONTROL  [initandlisten] **          Read and write access to data and configuration is unrestricted.
2020-10-15T13:20:16.137+0530 I CONTROL  [initandlisten]
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---

> use myDB;
switched to db myDB
> db;
myDB
>
> db.createCollection("books");
{ "ok" : 1 }
>
> db.books.save({_id:1,Category:"Machine Learning",BookName:"Machine Learning for Hackers",Author:"Drew Conway",qty:25,price:400,rol:30,pages:350});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 1 })
> db.books.save({_id:2,Category:"Business Intelligence",BookName:"Fundamentals of Business Analytics",Author:"Seema Acharya",qty:55,price:500,rol:30,pages:250});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 2 })
> db.books.save({_id:3,Category:"Analytics",BookName:"Competing on Analytics",Author:"Thomas",qty:8,price:150,rol:20,pages:150});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 3 })
> db.books.save({_id:4,Category:"Visualisation",BookName:"Visualising Data",Author:"Ben Fry",qty:12,price:325,rol:6,pages:450});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 4 })
>
```



```
Command Prompt - mongo
> db.books.find()
{ "_id" : 1, "Category" : "Machine Learning", "BookName" : "Machine Learning for Hackers", "Author" : "Drew Conway", "qty" : 25, "price" : 400, "rol" : 30, "pages" : 35
0 }
{ "_id" : 2, "Category" : "Business Intelligence", "BookName" : "Fundamentals of Business Analytics", "Author" : "Seema Acharya", "qty" : 55, "price" : 500, "rol" : 30,
 "pages" : 250 }
{ "_id" : 3, "Category" : "Analytics", "BookName" : "Competing on Analytics", "Author" : "Thomas", "qty" : 8, "price" : 150, "rol" : 20, "pages" : 150 }
{ "_id" : 4, "Category" : "Visualisation", "BookName" : "Visualising Data", "Author" : "Ben Fry", "qty" : 12, "price" : 325, "rol" : 6, "pages" : 450 }
>
> db.books.mapReduce(
...     function() {
...         let key = null, value = null;
...         if(this.pages >= 300){
...             key = "Big books";
...             value = this.pages;
...         }
...         else{
...             key = "Small books";
...             value = this.pages;
...         }
...         emit(key, value);
...     },
...     function(key, values){
...         return values.length;
...     },
...     {
...         out: "Book_Records"
...     }
... );
{
        "result" : "Book_Records",
        "timeMillis" : 464,
        "counts" : {
                "input" : 4,
                "emit" : 4,
                "reduce" : 2,
                "output" : 2
        },
        "ok" : 1
}
>
>
> db.Book_Records.find()
{ "_id" : "Big books", "value" : 2 }
{ "_id" : "Small books", "value" : 2 }
```