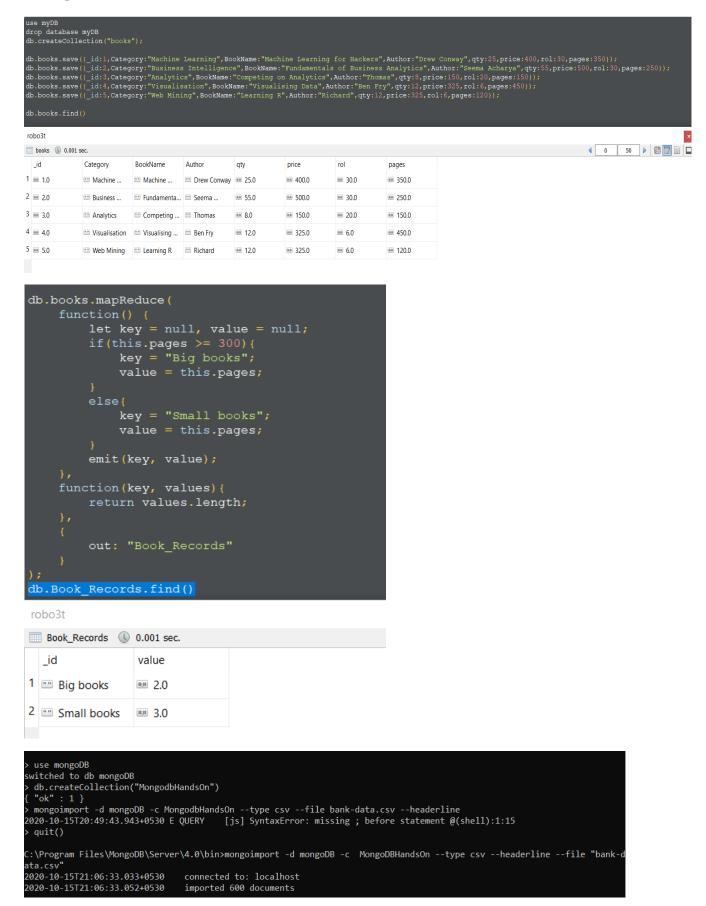
## Program 4



```
]/
db.MongoDBHandsOn.aggregate([
{ $group : { _id: "Avg of Age", avg: {$avg:"$age"} } }
MongoDBHandsOn U 0.002 sec.
             sum
 _id
1 mull
                # 607
MongoDBHandsOn 🕕 0.003 sec.
                                                                       Value
                                                                                                                                               Type
Key
🗸 🚨 (1) Avg of Age
                                                                       { 2 fields }
                                                                                                                                               Object
      "" _id
                                                                       Avg of Age
                                                                                                                                               String
      == avg
                                                                       42.395
                                                                                                                                               Double
use myDB
db.createCollection("Country")
db.Country.insert({_id:1,Cities:["Delhi","Banglore"]})
db.Country.insert({_id:2,Cities:["Chennai","Mumbai","Ranchi"]|})
db.Country.insert({_id:3,Cities:["Pune","Rajkot","Hyderabad"]})
db.Country.find()
robo3t
Country 0.001 sec.
                                                                            Value
                                                                                                                                                       Туре
Key
∨ 🖾 (1) 1.0
                                                                            { 2 fields }
                                                                                                                                                       Object
                                                                            1.0
     .... _id
                                                                                                                                                       Double
   [ 2 elements ]
                                                                                                                                                       Array
 > (2) 2.0
                                                                           { 2 fields }
                                                                                                                                                       Object
      .... _id
                                                                            2.0
                                                                                                                                                       Double
    > 

Cities
                                                                           [ 3 elements ]
                                                                                                                                                       Array
 ∨ □ (3) 3.0
                                                                           { 2 fields }
                                                                                                                                                       Object
                                                                            3.0
     ## id
    > 

Cities
                                                                           [ 3 elements ]
                                                                                                                                                       Array
db.Country.find().limit(1)
db.Country.find().skip(2).limit(2)
Country 0.002 sec.
                                                                        Value
Key
                                                                                                                                                Type

✓ □ (1) 1.0

                                                                       { 2 fields }
                                                                                                                                                Object
    · _id
                                                                       1.0
                                                                                                                                                Double

✓ □ Cities

                                                                       [ 2 elements ]
                                                                                                                                                Array
        == [0]
                                                                       Delhi
                                                                                                                                                String
        == [1]
                                                                       Banglore
                                                                                                                                                String
Country 0 sec.
Key
                                                                       Value
                                                                                                                                                Type
У 💷 (1) 3.0
                                                                       { 2 fields }
                                                                                                                                                Object
  ■ _id

✓ ■ Cities
                                                                       3.0
                                                                                                                                                Double
                                                                       [ 3 elements ]
                                                                                                                                                Array
        == [0]
                                                                                                                                                String
                                                                       Pune
        == [1]
                                                                       Rajkot
                                                                                                                                                String
         Hyderabad
                                                                                                                                                String
```

```
db.Country.update({_id:1}, {$push:{population:{Delhi:30,Banglore:45}}})
db.Country.find()
db.Country.update({_id:3},{$pop:{Cities:1}})|
db.Country.find()
db.Country.. × db.Country.. × db.Country.. ×
Country ( 0.002 sec.
                                                                          Value
                                                                                                                                                    Туре

✓ □ (1) 1.0

                                                                         { 3 fields }
                                                                                                                                                   Object
                                                                         1.0
     ## id
   > 

Cities
                                                                         [ 2 elements ]
                                                                                                                                                    Array

✓ □ population

                                                                         [ 1 element ]
                                                                                                                                                    Array
      ∨ 🖾 [0]
                                                                         { 2 fields }
                                                                                                                                                   Object
            ■ Delhi
                                                                         30.0
                                                                         45.0
            Banglore
> 😐 (2) 2.0
                                                                         { 2 fields }
                                                                                                                                                   Object
∨ □ (3) 3.0
                                                                         { 2 fields }
                                                                                                                                                   Object
                                                                         3.0
     ## id

✓ □ Cities

                                                                         [ 2 elements ]
                                                                                                                                                   Array
         ··· [0]
                                                                         Pune
                                                                                                                                                    String
         ··· [1]
                                                                         Rajkot
                                                                                                                                                    String
db.Country.update({Cities:"Chennai"}, {$pull:{Cities:'Chennai'}})
db.Country.find()
db.Country.update({_id:1},{$set:{'Cities.2':'Srinagar'}})
db.Country.update({_id:2},{$addToSet:{Cities:"Mysore"}})
db.Country.find()
db.Country.. × db.Country.. × db.Country.. × db.Country.. ×
Country 0 0 sec.
Key
                                                                          Value
                                                                                                                                                      Type

✓ □ Cities

                                                                          [ 3 elements ]
                                                                                                                                                     Array
                                                                                                                                                     String
         [0]
                                                                          Delhi
         ··· [1]
                                                                          Banglore
                                                                                                                                                     String
         == [2]
                                                                          Srinagar
                                                                                                                                                      String
   > 

population
                                                                          [ 1 element ]
                                                                                                                                                     Array
(2) 2.0
                                                                          { 2 fields }
                                                                                                                                                     Object
     ## _id
                                                                          2.0
                                                                                                                                                     Double

✓ □ Cities

                                                                          [ 3 elements ]
                                                                                                                                                     Array
                                                                                                                                                     String
         "" [0]
                                                                          Mumbai
         ··· [1]
                                                                          Ranchi
                                                                                                                                                     String
         == [2]
                                                                          Mysore
                                                                                                                                                     String
✓ □ (3) 3.0
                                                                          { 2 fields }
     3.0

✓ □ Cities

                                                                          [ 2 elements ]
                                                                                                                                                     Array
         == [0]
                                                                          Pune
                                                                                                                                                     String
         ··· [1]
                                                                                                                                                     String
                                                                          Rajkot
```