>use EmployeeDB

1 Problem Statement & Dataset

Create a collection named "Employee" under the "EmployeeDB" database with each document in

the format shown below Table 1

Table 1: Document Format

Name	Age	Salary in INR	Designation	Role
{Firstname,				[Manager, "Team Lead",
middlename,	25-40	20000 - 75000	Employee Designation	"Software Developer",
lastname}				"Tester", "UI Designer"]
String BSON Object	int	Number	String	String Array

```
switched to dbEmployeeDB
>db.createCollection("shwethaEmployee")
{"ok": 1}
>show collections
shwethaEmployee
1. Populate the database with atleast 15 documents
> db.shwethaEmployee.find().pretty()
  " id": ObjectId("629592e3ad0d4686cd2e3457"),
  "Firstname": "Shwetha",
  "Middlename": "N",
  "Lastname": "Hebbar",
  "Age": 26,
  "Salary": 21000,
  "Designation": "Lead",
  "Role": "UI Designer"
  " id": ObjectId("629592e3ad0d4686cd2e3458"),
  "Firstname": "Rajesh",
```

```
"Middlename": "Kumar",
  "Lastname": "Rao",
  "Age": 28,
  "salary": 58000,
  "Designation": "Scientist",
  "Role": "Tester"
  " id": ObjectId("62959526ad0d4686cd2e3459"),
  "Firstname": "Vidya",
  "Middlename": "C",
  "Lastname": "Shet",
  "Age": 29,
  "Salary": 22000,
  "Designation": "PA",
  "Role": "team Lead"
  " id": ObjectId("62959526ad0d4686cd2e345a"),
  "Firstname": "Anvitha",
  "Middlename": "J",
  "Lastname": "Shetty",
  "Age": 31,
  "Salary": 31000,
  "Designation": "Associate",
  "Role": "Manager"
  "_id": ObjectId("62959670ad0d4686cd2e345b"),
  "Firstname": "Kavya",
  "Middlename": "H",
  "Lastname": "R",
  "Age": 28,
  "Salary": 28000,
  "Designation": "HR",
  "Role": "team Lead"
}
  " id": ObjectId("62959670ad0d4686cd2e345c"),
  "Firstname": "Sapna",
```

```
"Middlename": "V",
  "Lastname": "Nayak",
  "Age": 32,
  "Salary": 32000,
  "Designation": "Assistant",
  "Role": "Manager"
  " id": ObjectId("6295973bad0d4686cd2e345d"),
  "Firstname": "Pramod",
  "Middlename": "Kumar",
  "Lastname": "Jain",
  "Age": 34,
  "Salary": 38000,
  "Designation": "Receuiter",
  "Role": "Manager"
  " id": ObjectId("6295973bad0d4686cd2e345e"),
  "Firstname": "Jeevan",
  "Middlename": "Kumar",
  "Lastname": "Gowda",
  "Age": 30,
  "Salary": 33000,
  "Designation": "Scientist",
  "Role": "teamlead"
  " id": ObjectId("6295986ead0d4686cd2e345f"),
  "Firstname": "Prajwal",
  "Middlename": "M",
  "Lastname": "Hebbar",
  "Age": 30,
  "Salary": 31000,
  "Designation": "Analyst",
  "Role": "Tester"
}
  " id": ObjectId("6295986ead0d4686cd2e3460"),
  "Firstname": "Darshan",
```

```
"Middlename": "M",
  "Lastname": "Jainapur",
  "Age": 26,
  "Salary": 24000,
  "Designation": "Teacher",
  "Role": "Software Developer"
  " id": ObjectId("629598edad0d4686cd2e3461"),
  "Firstname": "Suhas",
  "Middlename": "C",
  "Lastname": "Bhat",
  "Age": 32,
  "Salary": 25000,
  "Designation": "Lead",
  "Role": "team lead"
  " id": ObjectId("629598edad0d4686cd2e3462"),
  "Firstname": "Jayant",
  "Middlename": "R",
  "Lastname": "Kamble",
  "Age": 35,
  "Salary": 33000,
  "Designation": "Analyst",
  "Role": "UI Designer"
  " id": ObjectId("6295995ead0d4686cd2e3463"),
  "Firstname": "Prerana",
  "Middlename": "Shankar",
  "Lastname": "Hegde",
  "Age": 28,
  "Salary": 29000,
  "Designation": "Guide",
  "Role": "team lead"
}
  " id": ObjectId("6295995ead0d4686cd2e3464"),
  "Firstname": "Shrikara",
```

```
"Middlename": "S",

"Lastname": "Acharya",

"Age": 29,

"Salary": 27000,

"Designation": "HR",

"Role": "Manager"

{

"_id": ObjectId("62959a0fad0d4686cd2e3465"),

"Firstname": "Satwik",

"Middlename": "Kumar",

"Lastname": "Patil",

"Age": 33,

"Salary": 32000,

"Designation": "Guide",

"Role": "team lead"

}
```

```
db.shwethaEmployee.find().pretty()

"id": ObjectId("62959263ad0d4686cd2e3457"),
"Firstname": "Shwetha",
"Middlename": "N",
"Lastname": "Hebbar",
"Age": 26,
"Salary": 21080,
"Designation": "Lead",
"Role": "UI Designer"

"id": ObjectId("62959263ad0d4686cd2e3458"),
"Firstname": "Kumar",
"Lastname": "Kumar",
"Lastname": "Rao",
"Age": 28,
"Salary": 58000,
"Designation": "Scientist",
"Role": "Tester"

{

"id": ObjectId("62959526ad0d4686cd2e3459"),
"Firstname": "Widya",
"Middlename": "Charlage "Shetty",
"Age": 29,
"Salary": 22000,
"Designation": "Shett,
"Age": 29,
"Salary": 22000,
"Designation": "Shett,
"Age": 29,
"Salary": 2000,
"Designation": "Shett,
"Age": 31,
"Riddlename": "Shetty",
"Role": "Testname": "Shetty",
"Role": "Shetty",
"Age": 31,
"Lastname": "Shetty",
"Age": 31,
"Lastname": "Shetty",
"Age": 31,
"Lastname": "Shetty",
"Age": 31,
```

```
"Middlename"
        "Lastname" : "Kamble",
       "Age" : 35,
"Salary" : 33000,
"Designation" : "Analyst",
"Role" : "UI Designer"
       "_id" : ObjectId("6295995ead0d4686cd2e3463"),
       _td . objects( dess.
"Firstname" : "Prerana",
"Middlename" : "Shankar",
"Lastname" : "Hegde",
        "Age" : 28,
       "Salary" : 29000,
"Designation" : "Guide",
"Role" : "team lead"
        "_id" : ObjectId("6295995ead0d4686cd2e3464"),
       "_ld": ObjectId("62959956"
"Firstname": "Shrikara",
"Middlename": "S",
"Lastname": "Acharya",
"Age": 29,
"Salary": 27000,
"Designation": "HR",
        "Role" : "Manager"
       "_id" : ObjectId("62959a0fad0d4686cd2e3465"),
       "Firstname" : "Satwik",
"Middlename" : "Kumar",
        "Lastname" : "Patil",
      "Age" : 33,
"Salary" : 32000,
"Designation" : "Guide",
"Role" : "team lead"
"_id" : ObjectId("629598edad0d4686cd2e3462"),
"Firstname" : "Jayant",
"Middlename" : "R",
"Lastname" : "Kamble",
"Age" : 35,
"Salary" : 33000,
"Designation" : "Analyst",
"Role" : "UI Designer"
                                                                                                                                                                                                                                                                   <u>•</u>
                                                                                                                                                                                                                                                                   "_id" : ObjectId("6295995ead0d4686cd2e3463"),
"Firstname" : "Prerana",
"Middlename" : "Shankar",
"Lastname" : "Hegde",
"Age" : 28,
"Salary" : 2900,
"Designation" : "Guide",
"Role" : "team lead"
                                                                                                                                                                                                                                                                   ?
"_id" : ObjectId("6295995ead0d4686cd2e3464"),
"Firstname" : "Shrikara",
"Middlename" : "S',
"Lastname" : "Acharya",
"Age" : 29,
"Salary" : 27000,
"Designation" : "HR",
"Role" : "Manager"
"_id" : ObjectId("62959a0fad0d4686cd2e3465"),
"Firstname" : "Satwik",
"Middlename" : "Kumar",
"Lastname" : "Patil",
"Age" : 33,
```

```
{
    "_id" : ObjectId("6295973bad0d4686cd2e345e"),
    "Firstname" : "Jeevan",
    "Middlename" : "Kumar",
    "Lastname" : "Gowda",
    "Age" : 30,
    "Salary" : 33000,
    "Designation" : "Scientist",
    "Role" : "teamlead"

{
    "_id" : ObjectId("6295986ead0d4686cd2e345f"),
    "Firstname" : "Prajwal",
    "Middlename" : "M",
    "Lastname" : "Hebbar",
    "Age" : 30,
    "Salary" : 31000,
    "Designation" : "Analyst",
    "Role" : "Tester"

}

{
    "_id" : ObjectId("6295986ead0d4686cd2e3460"),
    "Firstname" : "Darshan",
    "Middlename" : "M",
    "Lastname" : "Jainapur",
    "Age" : 26,
    "Salary" : 24800,
    "Designation" : "Teacher",
    "Role" : "Software Developer"

"Middlename" : "J",
    "Role" : "Software Developer"

"Middlename" : "Shetty",
    "Middlename" : "Shety : Middlename" : "M",
    "Lastname" : "M",
    "Lastna
```

```
"Middlename": "]",
"Lastname": "Shetty",
"Age": 31,
"Salary": 31000,
"Designation": "Associate",
"Role": "Manager"

{

"td": ObjectId("62959670ad0d4686cd2e345b"),
"Firstname": "Kayya",
"Middlename": "H",
"Age": 28,
"Salary": 28000,
"Designation": "HH",
"Role": "team Lead"

}

{

"td": ObjectId("62959670ad0d4686cd2e345c"),
"Firstname": "Sappa",
"Middlename": "",
"Age": 32,
"Salary": 32000,
"Designation": "Assistant",
"Role": "Manager"

}

{

"td": ObjectId("6295973bad0d4686cd2e345d"),
"Firstname": "",
"Lastname": "",
"Age": 32,
"Salary": 32000,
"Designation": "Assistant",
"Role": "Manager"

| "td": ObjectId("6295973bad0d4686cd2e345d"),
"Firstname": "Kumar",
"Lastname": "Kumar",
"Lastname": "Kumar",
"Lastname": "Kumar",
"Lastname": "Role": "Manager"

| Role": "Manager"

| Role": "Manager"
| "Role": "Manager"
```

2. List all the records having salary in the range of 20000 - 35000(Exclusive)

```
\geq db.shwethaEmployee.find(\{"Salary": \{\$gt:20000,\$lt:35000\}\}).pretty()
```

```
" id": ObjectId("629592e3ad0d4686cd2e3457"),
  "Firstname": "Shwetha",
  "Middlename": "N",
  "Lastname": "Hebbar",
  "Age": 26,
  "Salary": 21000,
  "Designation": "Lead",
  "Role": "UI Designer"
  " id": ObjectId("62959526ad0d4686cd2e3459"),
  "Firstname": "Vidya",
  "Middlename": "C",
  "Lastname": "Shet",
  "Age": 29,
  "Salary": 22000,
  "Designation": "PA",
  "Role": "team Lead"
  " id": ObjectId("62959526ad0d4686cd2e345a"),
  "Firstname": "Anvitha",
  "Middlename": "J",
  "Lastname": "Shetty",
  "Age": 31,
  "Salary": 31000,
  "Designation": "Associate",
  "Role": "Manager"
}
  " id": ObjectId("62959670ad0d4686cd2e345b"),
  "Firstname": "Kavya",
  "Middlename": "H",
  "Lastname": "R",
  "Age": 28,
  "Salary": 28000,
  "Designation": "HR",
  "Role": "team Lead"
```

```
" id": ObjectId("62959670ad0d4686cd2e345c"),
  "Firstname": "Sapna",
  "Middlename": "V",
  "Lastname": "Nayak",
  "Age": 32,
  "Salary": 32000,
  "Designation": "Assistant",
  "Role": "Manager"
  " id": ObjectId("6295973bad0d4686cd2e345e"),
  "Firstname": "Jeevan",
  "Middlename": "Kumar",
  "Lastname": "Gowda",
  "Age": 30,
  "Salary": 33000,
  "Designation": "Scientist",
  "Role": "teamlead"
  " id": ObjectId("6295986ead0d4686cd2e345f"),
  "Firstname": "Prajwal",
  "Middlename": "M",
  "Lastname": "Hebbar",
  "Age": 30,
  "Salary": 31000,
  "Designation": "Analyst",
  "Role": "Tester"
}
  " id": ObjectId("6295986ead0d4686cd2e3460"),
  "Firstname": "Darshan",
  "Middlename": "M",
  "Lastname": "Jainapur",
  "Age": 26,
  "Salary": 24000,
  "Designation": "Teacher",
  "Role": "Software Developer"
}
```

```
" id": ObjectId("629598edad0d4686cd2e3461"),
  "Firstname": "Suhas",
  "Middlename": "C",
  "Lastname": "Bhat",
  "Age": 32,
  "Salary": 25000,
  "Designation": "Lead",
  "Role": "team lead"
  " id": ObjectId("629598edad0d4686cd2e3462"),
  "Firstname": "Jayant",
  "Middlename": "R",
  "Lastname" : "Kamble",
  "Age": 35,
  "Salary": 33000,
  "Designation": "Analyst",
  "Role": "UI Designer"
  " id": ObjectId("6295995ead0d4686cd2e3463"),
  "Firstname": "Prerana",
  "Middlename": "Shankar",
  "Lastname": "Hegde",
  "Age": 28,
  "Salary": 29000,
  "Designation": "Guide",
  "Role": "team lead"
}
  " id": ObjectId("6295995ead0d4686cd2e3464"),
  "Firstname": "Shrikara",
  "Middlename": "S",
  "Lastname": "Acharya",
  "Age": 29,
  "Salary": 27000,
  "Designation": "HR",
  "Role": "Manager"
}
```

```
"_id": ObjectId("62959a0fad0d4686cd2e3465"),
"Firstname": "Satwik",
"Middlename": "Kumar",
"Lastname": "Patil",
"Age": 33,
"Salary": 32000,
"Designation": "Guide",
"Role": "team lead"

}

**Bushwetharployee.find(("salary":($gt:20000,$tt:35000)))
**Justic objectId("6295926ad6d6a6cd2e3457), Firstname": "Shwetha", "Middlename": "N", "Lastname": "Hebbar", "Age": 20, "salary": 21000
**Designation "!ead", "Bole: "UI Designer')
**Justic objectId("6295926ad6d6a6cd2e3457), Firstname": "Anvitha", "Middlename": "C", "Lastname": "Shett", "Age": 29, "Salary": 22000, "Designation: "Associate", "Role: "Manager";
**Justic objectId("6295926ad6d6a6cd2e3459"), Firstname": "Anvitha", "Middlename": "J", "Lastname": "Shetty", "Age": 31, "Salary": 31000
**Designation: "Associate", "Role: "Manager";
**Justic objectId("6295926ad6d6a6cd2e3459"), "Firstname": "Kayya", "Middlename": "Y", "Lastname": "R", "Age": 28, "Salary": 22000, "Designation: "Salary: "Salary
```

3. List all the Employee whose Middle name is "Kumar"

```
> db.shwethaEmployee.find({"Middlename":"Kumar"}).pretty()
{
    "_id" : ObjectId("629592e3ad0d4686cd2e3458"),
    "Firstname" : "Rajesh",
    "Middlename" : "Kumar",
    "Lastname" : "Rao",
    "Age" : 28,
    "salary" : 58000,
    "Designation" : "Scientist",
    "Role" : "Tester"
}
{
    " id" : ObjectId("6295973bad0d4686cd2e345d"),
```

```
"Firstname": "Pramod",
"Middlename": "Kumar",
"Lastname": "Jain",
"Age": 34,
"Salary": 38000,
"Designation": "Receuiter",
"Role": "Manager"
" id": ObjectId("6295973bad0d4686cd2e345e"),
"Firstname": "Jeevan",
"Middlename": "Kumar",
"Lastname": "Gowda",
"Age": 30,
"Salary": 33000,
"Designation": "Scientist",
"Role": "teamlead"
" id": ObjectId("62959a0fad0d4686cd2e3465"),
"Firstname": "Satwik",
"Middlename": "Kumar",
"Lastname": "Patil",
"Age": 33,
"Salary": 32000,
"Designation": "Guide",
"Role": "team lead"
```

4. Count the number of Employees who has a role "Manager" in the Role field

```
> db.shwethaEmployee.find({"Role":"Manager"}).count()
```

```
> db.shwethaEmployee.find({"Role":"Manager"}).count()
4 _
```

5. Find out all the documents who have age < 35 and salary in the range of 30000-35000

```
db.shwethaEmployee.find({$and:[{Salary:{$gt:30000}},{Salary:{$lt:35000}}},{Age:{$lt:35}}]}
).pretty()
  " id": ObjectId("62959526ad0d4686cd2e345a"),
  "Firstname": "Anvitha",
  "Middlename": "J",
  "Lastname": "Shetty",
  "Age": 31,
  "Salary": 31000,
  "Designation": "Associate",
  "Role" : "Manager"
  " id": ObjectId("62959670ad0d4686cd2e345c"),
  "Firstname": "Sapna",
  "Middlename": "V",
  "Lastname": "Nayak",
  "Age": 32,
  "Salary": 32000,
  "Designation": "Assistant",
  "Role": "Manager"
  " id": ObjectId("6295973bad0d4686cd2e345e"),
  "Firstname": "Jeevan",
  "Middlename": "Kumar",
  "Lastname": "Gowda",
  "Age": 30,
  "Salary": 33000,
  "Designation": "Scientist",
```

```
"Role": "teamlead"
" id": ObjectId("6295986ead0d4686cd2e345f"),
"Firstname": "Prajwal",
"Middlename": "M",
"Lastname": "Hebbar",
"Age": 30,
"Salary": 31000,
"Designation": "Analyst",
"Role": "Tester"
" id": ObjectId("62959a0fad0d4686cd2e3465"),
"Firstname": "Satwik",
"Middlename": "Kumar",
"Lastname": "Patil",
"Age": 33,
"Salary": 32000,
"Designation": "Guide",
"Role": "team lead"
```

```
be shwethaEmployee.find(($and:[$alary:{$gt:30008}},{$alary:{$lt:35008}},{$alary:{$lt:35}}]})

be a consignation objectId("62959526ad0d4686cd2e345a"), "Firstname" : "Anvitha", "Middlename" : "J", "Lastname" : "Shetty", "Age" : 31, "Salary" : 31000, "Designation" : "Associate", "Role" : "Manager" }

be a consignation objectId("62959670ad0d4686cd2e345c"), "Firstname" : "Sapna", "Middlename" : "V", "Lastname" : "Nayak", "Age" : 32, "Salary" : 32000, "Designation" : "Assistant", "Role" : "Manager" }

be a consignation objectId("6295936ad0d4686cd2e345e"), "Firstname" : "Jeevan", "Middlename" : "Kumar", "Lastname" : "Gowda", "Age" : 30, "Salary" : 330, "Designation" : "Scientist", "Role" : "teamlead" }

be a consignation objectId("62959386ad0d4686cd2e345f"), "Firstname" : "Prajwal", "Middlename" : "M", "Lastname" : "Hebbar", "Age" : 30, "Salary" : 31000, "Designation" : "Analyst", "Role" : "Tester" }

consignation objectId("6295936fad0d4686cd2e345f"), "Firstname" : "Satwik", "Middlename" : "Kumar", "Lastname" : "Patil", "Age" : 33, "Salary" : 320, "Designation" : "Guide", "Role" : "team lead" }
```

6. Delete an Employee whose "Firstname" is "Rajesh" and having the designation as "Scientist"

> db.shwethaEmployee.deleteOne({\$and:[{Firstname:"Rajesh"},{designation:"Scientist"}]})

```
{ "acknowledged" : true, "deletedCount" : 0 }
> db.shwethaEmployee.find()
{ " id" : ObjectId("629592e3ad0d4686cd2e3457"), "Firstname" : "Shwetha", "Middlename" :
"N", "Lastname": "Hebbar", "Age": 26, "Salary": 21000, "Designation": "Lead", "Role": "UI
Designer" }
{ "id": ObjectId("629592e3ad0d4686cd2e3458"), "Firstname": "Rajesh", "Middlename":
"Kumar", "Lastname": "Rao", "Age": 28, "salary": 58000, "Designation": "Scientist", "Role":
"Tester" }
{ " id" : ObjectId("62959526ad0d4686cd2e3459"), "Firstname" : "Vidya", "Middlename" : "C",
"Lastname": "Shet", "Age": 29, "Salary": 22000, "Designation": "PA", "Role": "team Lead" }
{ " id" : ObjectId("62959526ad0d4686cd2e345a"), "Firstname" : "Anvitha", "Middlename" :
"J", "Lastname": "Shetty", "Age": 31, "Salary": 31000, "Designation": "Associate", "Role":
"Manager" }
{ " id" : ObjectId("62959670ad0d4686cd2e345b"), "Firstname" : "Kavya", "Middlename" : "H",
"Lastname" : "R", "Age" : 28, "Salary" : 28000, "Designation" : "HR", "Role" : "team Lead" }
{ " id" : ObjectId("62959670ad0d4686cd2e345c"), "Firstname" : "Sapna", "Middlename" : "V",
"Lastname": "Nayak", "Age": 32, "Salary": 32000, "Designation": "Assistant", "Role":
"Manager" }
{ " id" : ObjectId("6295973bad0d4686cd2e345d"), "Firstname" : "Pramod", "Middlename" :
"Kumar", "Lastname": "Jain", "Age": 34, "Salary": 38000, "Designation": "Receuiter", "Role"
: "Manager" }
{ " id" : ObjectId("6295973bad0d4686cd2e345e"), "Firstname" : "Jeevan", "Middlename" :
"Kumar", "Lastname": "Gowda", "Age": 30, "Salary": 33000, "Designation": "Scientist",
"Role": "teamlead" }
{ " id" : ObjectId("6295986ead0d4686cd2e345f"), "Firstname" : "Prajwal", "Middlename" :
"M", "Lastname": "Hebbar", "Age": 30, "Salary": 31000, "Designation": "Analyst", "Role":
"Tester" }
{ " id" : ObjectId("6295986ead0d4686cd2e3460"), "Firstname" : "Darshan", "Middlename" :
"M", "Lastname": "Jainapur", "Age": 26, "Salary": 24000, "Designation": "Teacher", "Role":
"Software Developer" }
{ " id" : ObjectId("629598edad0d4686cd2e3461"), "Firstname" : "Suhas", "Middlename" : "C",
"Lastname": "Bhat", "Age": 32, "Salary": 25000, "Designation": "Lead", "Role": "team lead"
}
{ " id" : ObjectId("629598edad0d4686cd2e3462"), "Firstname" : "Jayant", "Middlename" : "R",
"Lastname": "Kamble", "Age": 35, "Salary": 33000, "Designation": "Analyst", "Role": "UI
Designer" }
```

```
{ "_id" : ObjectId("6295995ead0d4686cd2e3463"), "Firstname" : "Prerana", "Middlename" : "Shankar", "Lastname" : "Hegde", "Age" : 28, "Salary" : 29000, "Designation" : "Guide", "Role" : "team lead" } { "_id" : ObjectId("6295995ead0d4686cd2e3464"), "Firstname" : "Shrikara", "Middlename" : "S", "Lastname" : "Acharya", "Age" : 29, "Salary" : 27000, "Designation" : "HR", "Role" : "Manager" } { "_id" : ObjectId("62959a0fad0d4686cd2e3465"), "Firstname" : "Satwik", "Middlename" : "Kumar", "Lastname" : "Patil", "Age" : 33, "Salary" : 32000, "Designation" : "Guide", "Role" : "team lead" } >
```

7. Update all the Employees whose role is "Team Lead" with a salary of 55650 INR

```
> db.shwethaEmployee.updateMany({"Role":"team lead"},{$set:{"Salary":55650}}) { "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
```

```
db.shwethaEmployee.find()
["_id": objectId("6295928a3d04d68cd2e3457"), "Firstname": "Shwetha", "Middlename": "N", "Lastname": "Hebbar", "Age": 26, "Salary": 21000, "Designation": "Lead", "Role": "UI Designer"]
["_id": objectId("6295928a3d04d68cd2e3458"), "Firstname": "Rajesh", "Middlename": "Kumar", "Lastname": "Rao", "Age": 28, "salary": 58000, "Designation": "Scientist", "Role": "Tester"]
["_id": objectId("6295926ad0d468cd2e3458"), "Firstname": "Vidya", "Middlename": "C", "Lastname": "Shett", "Age": 29, "Salary": 22000, "Designation": "PAP, "Role": "team Lead"]
["_id": objectId("6295926ad0d468cd2e3458"), "Firstname": "Anvitha", "Middlename": "J", "Lastname": "Shetty", "Age": 31, "Salary": 31000, "Designation": "Associate", "Role": "Manager"]
["_id": objectId("6295967ad0d468cd2e3458"), "Firstname": "Kavya", "Middlename": "H", "Lastname": "R", "Age": 28, "Salary": 28000, "Designation": "Assistant", "Role": "Manager"]
["_id": objectId("6295967ad0d468cd2e3456"), "Firstname": "Sapna", "Middlename": "V", "Lastname": "Nayak", "Age": 32, "Salary": 32000, "Designation": "Assistant", "Role": "Manager"]
["_id": objectId("6295967ad0d468cd2e345d"), "Firstname": "Pramod", "Middlename": "Kumar", "Lastname": "Jain", "Age": 34, "Salary": 38000, "Designation": "Receutier", "Role": "Manager"]
["_id": objectId("6295967abd0d468cd2e345e"), "Firstname": "Deavan", "Middlename": "Kumar", "Lastname": "Jain", "Age": 30, "Salary": 38000, "Designation": "Receutier", "Role": "Manager"]
["_id": objectId("6295967abd0d468cd2e345e"), "Firstname": "Jeevan", "Middlename": "Kumar", "Lastname": "Gowda", "Age": 30, "Salary": 31000, "Designation": "Role": "Role": "Tester"]
["_id": objectId("6295986ad0468cd2e345e"), "Firstname": "Darshan", "Middlename": "Kumar", "Lastname": "Babar", "Age": 30, "Salary": 31000, "Designation": "Racher", "Role": "Tester"]
["_id": objectId("6295986ad0468cd2e3468"), "Firstname": "Suhash", "Middlename": "N", "Lastname": "Bhath", "Age": 32, "Salary": 55650, "Designation": "Racher", "Role": "Tester"]
["_id": objectId("62959
```

8. Group all the Employees by their age(common age should be there) and calculate the average salary obtained in the each group

9. Apply the map-reduce to perform the above operation and obtain the results

> var mapfunction=function(){emit(this.Age,this.Salary)}

```
> var mapfunction=function(){emit(this.Age,this.Salary)}
> var reducefunction=function(key,values){return Array.avg(values)}
> db.shwethaEmployee.mapReduce(mapfunction,reducefunction,{'out':'result'})
{ "result" : "result", "ok" : 1 }
> db.result.find()
{ "_id" : 35, "value" : 33000 }
{ "_id" : 32, "value" : 43825 }
{ "_id" : 29, "value" : 24500 }
{ "_id" : 31, "value" : 31000 }
{ "_id" : 34, "value" : 38000 }
{ "_id" : 33, "value" : 55650 }
{ "_id" : 26, "value" : 22500 }
{ "_id" : 28, "value" : NaN }
{ "_id" : 30, "value" : 32000 }
```