

1)DISPLAY THE STUDENT INFORMATION FROM STUDENT TABLE.

Ans:-

```
> db.student.find()
{ "_id" : ObjectId("61cacbebc17af007ccf9b75f") }
{ "_id" : ObjectId("61cada19c17af007ccf9b760"), "stud_id" : "1", "stud_fname" : "Avni",
"stud_lname" : "Sangani", "stud_city" : "Rajkot", "stud_contact" : "9980909898" }
{ "_id" : ObjectId("61cada36c17af007ccf9b761"), "stud_id" : "1", "stud_fname" : "Anjani",
"stud_lname" : "Patel", "stud_city" : "Ahmedabad", "stud_contact" : "9900909898" }
{ "_id" : ObjectId("61cada6ec17af007ccf9b762"), "stud_id" : "3", "stud_fname" :
"Shreyanshi", "stud_lname" : "Vekariya", "stud_city" : "Ahmedabad", "stud_contact" :
"8800909898" }
{ "_id" : ObjectId("61cada99c17af007ccf9b763"), "stud_id" : "4", "stud_fname" : "Shriya",
"stud_lname" : "Patel", "stud_city" : "Baroda", "stud_contact" : "8806609898" }
{ "_id" : ObjectId("61cadac1c17af007ccf9b764"), "stud_id" : "5", "stud_fname" : "Riya",
"stud_lname" : "KAnsagara", "stud_city" : "Baroda", "stud_contact" : "8806609899" }
{ "_id" : ObjectId("61cadae0c17af007ccf9b765"), "stud_id" : "6", "stud_fname" : "Kajal",
"stud_lname" : "Panchal", "stud_city" : "Mumbai", "stud_contact" : "7706609899" }
{ "_id" : ObjectId("61cadb03c17af007ccf9b766"), "stud_id" : "7", "stud_fname" :
"Devarsh", "stud_lname" : "Patel", "stud_city" : "Ahmedabad", "stud_contact" :
"7700209899" }
{ "_id" : ObjectId("61cadb1dc17af007ccf9b767"), "stud_id" : "8", "stud_fname" : "Piyush",
"stud_lname" : "Sangani", "stud_city" : "Ahmedabad", "stud_contact" : "9700209899" }
{ "_id" : ObjectId("61cadb56c17af007ccf9b768"), "stud_id" : "9", "stud_fname" : "Arjun",
"stud_lname" : "Ahuja", "stud_city" : "Rajkot", "stud_contact" : "9700569899" }
{ "_id" : ObjectId("61cadb71c17af007ccf9b769"), "stud_id" : "9", "stud_fname" : "Khyati",
"stud_lname" : "Dadhaniya", "stud_city" : "Ahmedabad", "stud_contact" : "9700569769" }
```

2)DISPLAY THE DETAILS OF ALL EMPLOYEES.

Ans:-

```
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun",
"emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" :
"9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush",
"emp_lname" : "Patel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456"
}
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_id" : "3", "emp_fname" : "Vishv",
"emp_lname" : "Sangani", "emp_email" : "vishv@gmail.com", "emp_contact" :
"8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_id" : "4", "emp_fname" : "Vishal",
"emp_lname" : "Gohel", "emp_email" : "vishal@gmail.com", "emp_contact" :
"8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_id" : "5", "emp_fname" : "Riya",
"emp_lname" : "Kansagra", "emp_email" : "riya@gmail.com", "emp_contact" :
"9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" :
"9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906"
}
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_id" : "8", "emp_fname" : "Tiya",
"emp_lname" : "Patel", "emp_email" : "tiya@gmail.com", "emp_contact" : "7600123906" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_id" : "9", "emp_fname" : "Diya",
"emp_lname" : "Patel", "emp_email" : "diya@gmail.com", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_id" : "10", "emp_fname" : "Siya",
"emp_lname" : "Patel", "emp_email" : "siya@gmail.com", "emp_contact" : "8090123906" }
```

3) DISPLAY THE NAME AND EMAIL FOR ALL EMPLOYEES.

Ans:-

```
> db.employee.find({}, {emp_fname:1, emp_email:1})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_fname" : "Arjun", "emp_email" : "arjun@gmail.com" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_fname" : "Piyush", "emp_email" : "piyush@gmail.com" }
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_fname" : "Vishv", "emp_email" : "vishv@gmail.com" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_fname" : "Vishal", "emp_email" : "vishal@gmail.com" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_fname" : "Riya", "emp_email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_fname" : "Avni", "emp_email" : "avni@gmail.com" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_fname" : "Anjani", "emp_email" : "anjani@gmail.com" }
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_fname" : "Tiya", "emp_email" : "tiya@gmail.com" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_fname" : "Diya", "emp_email" : "diya@gmail.com" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_fname" : "Siya", "emp_email" : "siya@gmail.com" }
>
```

4) DISPLAY NAME AND CONTACT FOR ALL EMPLOYEES

Ans:-

```
> db.employee.find({}, {emp_fname:1, emp_contact:1})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_fname" : "Arjun", "emp_contact" : "9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_fname" : "Piyush", "emp_contact" : "9989123456" }
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_fname" : "Vishv", "emp_contact" : "8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_fname" : "Vishal", "emp_contact" : "8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_fname" : "Riya", "emp_contact" : "9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_fname" : "Avni", "emp_contact" : "9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_fname" : "Anjani", "emp_contact" : "7800123906" }
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_fname" : "Tiya", "emp_contact" : "7600123906" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_fname" : "Diya", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_fname" : "Siya", "emp_contact" : "8090123906" }
>
```

5) DISPLAY EMPLOYEE NUMBER AND TOTAL SALARY FOR EACH EMPLOYEE

Ans:-

```
> db.salarydetail.aggregate([ { $project: { emp_name:1, total: { $subtract:
[ "$emp_salary", 2000 ] } } } ])
{ "_id" : ObjectId("61cae2ac17af007ccf9b7bb"), "emp_name" : "Avni", "total" : 48000 }
{ "_id" : ObjectId("61cae46c17af007ccf9b7bc"), "emp_name" : "Aarohi", "total" : 33000 }
{ "_id" : ObjectId("61cae62c17af007ccf9b7bd"), "emp_name" : "Aakash", "total" :
18000 }
```

```
{ "_id" : ObjectId("61caee7ac17af007ccf9b7be"), "emp_name" : "Swati", "total" : 23000 }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "emp_name" : "Kavya", "total" : 33000 }
{ "_id" : ObjectId("61cae5eb5c17af007ccf9b7c0"), "emp_name" : "Kiya", "total" : 23000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "emp_name" : "Ankush", "total" :
38000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "emp_name" : "Anjani", "total" : 30000 }
{ "_id" : ObjectId("61cc31519ce8f23afdde5ccc"), "emp_name" : "Aryan", "total" : 25000 }
```

6) DISPLAY EMPLOYEE NAME AND ANNUAL SALARY FOR ALL EMPLOYEES.

```
> db.salarydetail.aggregate([ { $project: { emp_name:1, total: { $multiply:
[ "$emp_salary", 12] } } } ] )
{ "_id" : ObjectId("61caee2ac17af007ccf9b7bb"), "emp_name" : "Avni", "total" : 600000 }
{ "_id" : ObjectId("61caee46c17af007ccf9b7bc"), "emp_name" : "Aarohi", "total" :
420000 }
{ "_id" : ObjectId("61caee62c17af007ccf9b7bd"), "emp_name" : "Aakash", "total" : 240000
}
{ "_id" : ObjectId("61caee7ac17af007ccf9b7be"), "emp_name" : "Swati", "total" : 300000 }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "emp_name" : "Kavya", "total" : 420000 }
{ "_id" : ObjectId("61cae5eb5c17af007ccf9b7c0"), "emp_name" : "Kiya", "total" : 300000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "emp_name" : "Ankush", "total" : 480000
}
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "emp_name" : "Anjani", "total" : 384000 }
{ "_id" : ObjectId("61cc31519ce8f23afdde5ccc"), "emp_name" : "Aryan", "total" : 324000 }
```

7) DISPLAY THE NAMES OF ALL EMPLOYEES ,HIS LAST NAME PATEL;

```
Ans:-> db.employee.find({emp_lname:'Patel'})
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906"
}
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_id" : "8", "emp_fname" : "Tiya",
"emp_lname" : "Patel", "emp_email" : "tiya@gmail.com", "emp_contact" : "7600123906" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_id" : "9", "emp_fname" : "Diya",
"emp_lname" : "Patel", "emp_email" : "diya@gmail.com", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_id" : "10", "emp_fname" : "Siya",
"emp_lname" : "Patel", "emp_email" : "siya@gmail.com", "emp_contact" : "8090123906" }
```

8) DISPLAY THE NAMES OF ALL EMPLOYEES WORKING AS CLERKS AND DRAWING A SALARY MORE THAN 30000.

```
Ans:-
> db.salarydetail.find({$and: [{ emp_salary: {$gt:30000}}, {emp_salary:
{$exists:true}}]})
{ "_id" : ObjectId("61caee2ac17af007ccf9b7bb"), "s_id" : "2", "emp_id" : "2",
"emp_name" : "Avni", "emp_city" : "Rajkot", "emp_salary" : 50000 }
{ "_id" : ObjectId("61caee46c17af007ccf9b7bc"), "s_id" : "3", "emp_id" : "3", "emp_name" :
"Aarohi", "emp_city" : "Rajkot", "emp_salary" : 35000 }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "s_id" : "6", "emp_id" : "6", "emp_name" :
"Kavya", "emp_city" : "Ahmedabad", "emp_salary" : 35000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "s_id" : "8", "emp_id" : "8", "emp_name" :
"Ankush", "emp_city" : "Ahmedabad", "emp_salary" : 40000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "s_id" : "10", "emp_id" : "10",
"emp_name" : "Anjani", "emp_city" : "Rajkot", "emp_salary" : 32000 }
9) DISPLAY EMPLOYEE NUMBER AND NAMES FOR EMPLOYEES WHO EARN
SALARY 25000.
```

```
Ans:-
> db.salarydetail.find({emp_salary:25000},{emp_id:1,emp_name:1,_id:0})
{ "emp_id" : "5", "emp_name" : "Swati" }
```

```
{ "emp_id" : "7", "emp_name" : "Kiya" }
```

10) DISPLAY NAMES OF EMPLOYEES WHO EARN SALARY 35000.

Ans:-

```
> db.salarydetail.find({emp_salary:35000},{emp_name:1,_id:0})
{ "emp_name" : "Aarohi" }
{ "emp_name" : "Kavya" }
```

11) DISPLAY THE NAMES OF COURSE PYTHON ,RUBI WHICH COURSE DURATION IS 3.

Ans:-

```
> db.course.find({$or:[ {course_name:"Rubi"},{course_name:"Python"},
{course_duration:3}]}},{course_name:1,_id:0})
{ "course_name" : "Python" }
{ "course_name" : "Rubi" }
```

12.DISPLAY THE NAMES OF product Which order date is after 2021.

Ans:-

```
db.order.find({date:{$gt:2021}},{_id:0,product_name:1,date:1})
{ "product_name" : "p3", "date" : 2011 }
{ "product_name" : "p4", "date" : 2020 }
{ "product_name" : "p5", "date" : 2019 }
{ "product_name" : "p7", "date" : 2020 }
{ "product_name" : "p9", "date" : 2020 }
{ "product_name" : "p10", "date" : 2006 }
```

13) DISPLAY THE LIST OF EMPLOYEES WHO HAVE JOINED THE COMPANY BEFORE 30 TH JUNE 90 OR AFTER 31 ST DEC 90

```
Ans:-db.order.find({date: {$gt:-2020, $lt:-2031}},{_id:0,product_name:1,date:1})
```

14)DISPLAY CURRENT DATE

Ans:-

```
Date()
Wed Dec 29 2021 18:40:14 GMT+0530 (IST)
```

15) DISPLAY THE LIST OF USERS IN YOUR DATABASE (USING LOG TABLE)

```
Ans:- db.getUsers();
```

16) DISPLAY THE NAMES OF ALL TABLES FROM THE CURRENT USER

Ans:-

```
> show collections
course
customer
doctordetail
employee

facultydetail
moviedetail
patientdetail
product
salarydetail
```

student

17) DISPLAY THE NAME OF THE CURRENT USER.

Ans:-

```
> db.runCommand({connectionStatus : 1})
{
  "authInfo" : {
    "authenticatedUsers" : [ ],
    "authenticatedUserRoles" : [ ]
  },
  "ok" : 1
}
```

18) DISPLAY THE NAMES OF EMPLOYEES WORKING IN DEPARTMENT NUMBER 10 OR 20 OR 40 OR EMPLOYEES WORKING AS CLERKS, SALESMAN OR ANALYST.

Ans:-

```
> db.course.find({$or:[{course_id:1},{course_id:3},{course_id:10},{course_name:"Php"},
{course_name:"Python"}]})
{ "_id" : ObjectId("61caddc17af007ccf9b76f"), "course_id" : "6", "course_name" : "Php",
"course_duration" : "4", "course_fees" : "10000", "course_country" : "India" }
{ "_id" : ObjectId("61cade1fc17af007ccf9b771"), "course_id" : "8", "course_name" :
"Python", "course_duration" : "3", "course_fees" : "35000", "course_country" : "India" }
```

19) DISPLAY THE NAMES OF EMPLOYEES WHOSE NAME STARTS WITH ALPHABET S.

Ans:-

```
> db.employee.find({"emp_fname": /. *A.*/})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun",
"emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" :
"9889123456" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" :
"9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906"
}
```

20) DISPLAY EMPLOYEE NAMES FOR EMPLOYEES WHOSE NAME ENDS WITH ALPHABET.

Ans:-

```
> db.salarydetail.find({"emp_name": /. *i/})
{ "_id" : ObjectId("61cae46c17af007ccf9b7bc"), "s_id" : "3", "emp_id" : "3", "emp_name" :
"Aarohi", "emp_city" : "Rajkot", "emp_salary" : 35000 }
{ "_id" : ObjectId("61cae7ac17af007ccf9b7be"), "s_id" : "5", "emp_id" : "5", "emp_name" :
"Swati", "emp_city" : "Baroda", "emp_salary" : 25000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "s_id" : "10", "emp_id" : "10",
"emp_name" : "Anjani", "emp_city" : "Rajkot", "emp_salary" : 32000 }
```

21) DISPLAY THE NAMES OF EMPLOYEES WHOSE NAMES HAVE SECOND ALPHABET A IN THEIR NAMES.

Ans:-

```
> db.employee.find({"emp_fname": /. *v.*/})
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" :
"9900123906" }
```

22) DISPLAY THE NAMES OF EMPLOYEES WHOSE NAME IS EXACTLY FIVE CHARACTERS IN LENGTH.

Ans:-

```
> db.employee.find({emp_fname: {$exists: true}, $where: "this.emp_fname.length = 5"}).limit(2);
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun", "emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" : "9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush", "emp_lname" : "PAtel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456" }
```

23) DISPLAY THE NAMES OF EMPLOYEES WHO ARE NOT WITH SPECIFIED LASTNAME.

Ans:-

```
> db.employee.find({emp_lname: {$nin: ["Patel"]}})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun", "emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" : "9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush", "emp_lname" : "PAtel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456" }
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_id" : "3", "emp_fname" : "Vishv", "emp_lname" : "Sangani", "emp_email" : "vishv@gmail.com", "emp_contact" : "8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_id" : "4", "emp_fname" : "Vishal", "emp_lname" : "Gohel", "emp_email" : "vishal@gmail.com", "emp_contact" : "8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_id" : "5", "emp_fname" : "Riya", "emp_lname" : "Kansagra", "emp_email" : "riya@gmail.com", "emp_contact" : "9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni", "emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" : "9900123906" }
```

24) DISPLAY THE NAMES OF EMPLOYEES WHO ARE NOT WORKING AS SALESMAN OR CLERK OR ANALYST

Ans:-

```
> db.course.find({course_name: {$nin: ["Php", "Python", "Ios"]}})
{ "_id" : ObjectId("61cadd08c17af007ccf9b76a"), "course_id" : "1", "course_name" : "java", "course_duration" : "3", "course_fees" : "30000", "course_country" : "India" }
{ "_id" : ObjectId("61cadd4ec17af007ccf9b76b"), "course_id" : "2", "course_name" : "Android", "course_duration" : "6", "course_fees" : "23000", "course_country" : "Usa" }
{ "_id" : ObjectId("61cadd89c17af007ccf9b76d"), "course_id" : "4", "course_name" : "ReactNative", "course_duration" : "3", "course_fees" : "30000", "course_country" : "India" }
{ "_id" : ObjectId("61caddaac17af007ccf9b76e"), "course_id" : "5", "course_name" : "Node", "course_duration" : "6", "course_fees" : "21000", "course_country" : "Usa" }
{ "_id" : ObjectId("61caddfcc17af007ccf9b770"), "course_id" : "7", "course_name" : "Angular", "course_duration" : "2", "course_fees" : "20000", "course_country" : "Usa" }
{ "_id" : ObjectId("61cade5fc17af007ccf9b772"), "course_id" : "9", "course_name" : "Bigdata", "course_duration" : "3", "course_fees" : "35000", "course_country" : "Usa" }
{ "_id" : ObjectId("61cade6bc17af007ccf9b773"), "course_id" : "10", "course_name" : "Rubi", "course_duration" : "3", "course_fees" : "35000", "course_country" : "Usa" }
>
```

25) HOW TO SHOW DATA IN FORMATE.

Ans:-

```
db.employee.find().pretty()
```

26) DISPLAY THE TOTAL NUMBER OF EMPLOYEES WORKING IN THE COMPANY

Ans:-

```
> db.employee.count()
10
```

27) DISPLAY THE TOTAL SALARY BEING PAID TO ALL EMPLOYEES

Ans:-

```
> db.salarydetail.aggregate([{$group : { _id : 0, salary_sum : {$sum : "$emp_salary"}}}]]  
{ "_id" : 0, "salary_sum" : 289000 }
```

28) DISPLAY THE MAXIMUM SALARY FROM EMP TABLE

Ans:-

```
> db.salarydetail.aggregate({ $group : { _id: null, max: { $max : "$emp_salary" }}});  
{ "_id" : null, "max" : 50000 }
```

29) DISPLAY THE MINIMUM SALARY FROM EMP TABLE

Ans:-

```
> db.salarydetail.aggregate({ $group : { _id: null, min: { $min : "$emp_salary" }}});  
{ "_id" : null, "min" : 20000 }  
>
```

30) DISPLAY THE AVERAGE SALARY FROM EMP TABLE

Ans:-

```
> db.salarydetail.aggregate([{$group:{$_id:"$by_user",Average:{$avg:"$emp_salary"}}}]]  
{ "_id" : null, "Average" : 32111.11111111111 }
```

31) DISPLAY THE MAXIMUM SALARY WHERE SPECIFIED CITY.

Ans:-

```
> db.salarydetail.aggregate([{$match:{emp_city:"Ahmedabad"}},{ $group:  
{ _id:"$emp_city",Maximum:{$max:"$emp_salary"}}}]]  
{ "_id" : "Ahmedabad", "Maximum" : 40000 }
```

32) DISPLAY THE MAXIMUM SALARY BEING PAID IN DEPT NO 20

Ans:-

```
> db.salarydetail.aggregate([{$match:{emp_id:"3"}},{ $group:{_id:"$emp_id",Maximum:  
{$max:"$emp_salary"}}}]]  
{ "_id" : "3", "Maximum" : 35000 }
```

33) DISPLAY THE MIN SAL BEING PAID TO ANY SALESMAN

Ans:-

```
> db.salarydetail.aggregate([{$match:{emp_city:"Ahmedabad"}},{ $group:  
{ _id:"$emp_city",Minimum:{$min:"$emp_salary"}}}]]  
{ "_id" : "Ahmedabad", "Minimum" : 25000 }
```

34) DISPLAY THE AVERAGE SALARY DRAWN BY CITY AHMEDABAD.

```
Ans:-> db.salarydetail.aggregate([ { $match : { emp_city : "Ahmedabad" } },{$group:  
{_id:"$emp_city",Average:{$avg:"$emp_salary"}} } ] );
```

```
{ "_id" : "Ahmedabad", "Average" : 31750 }
```

35) DISPLAY THE TOTAL SALARY WHERE ARE FROM SPECIFIED CITY.

Ans:-

```
db.salarydetail.aggregate([ { $match : { emp_city : "Ahmedabad" } },{$group:  
{_id:"$emp_city",salary_sum:{$sum:"$emp_salary"}}}]]  
{ "_id" : "Ahmedabad", "salary_sum" : 127000 }
```

36) DISPLAY THE NAMES OF EMPLOYEES IN ORDER OF SALARY I.E. THE NAME OF THE EMPLOYEE EARNING LOWEST SALARY SHOULD APPEAR FIRST

Ans:-

```
> db.salarydetail.find({}, {emp_name:1, _id:0, emp_salary:1}).sort({"emp_salary":1})
{ "emp_name" : "Aakash", "emp_salary" : 20000 }
{ "emp_name" : "Swati", "emp_salary" : 25000 }
{ "emp_name" : "Kiya", "emp_salary" : 25000 }
{ "emp_name" : "Aryan", "emp_salary" : 27000 }
{ "emp_name" : "Anjani", "emp_salary" : 32000 }
{ "emp_name" : "Aarohi", "emp_salary" : 35000 }
{ "emp_name" : "Kavya", "emp_salary" : 35000 }
{ "emp_name" : "Ankush", "emp_salary" : 40000 }
{ "emp_name" : "Avni", "emp_salary" : 50000 }
```

37) DISPLAY THE NAMES OF EMPLOYEES IN DESCENDING ORDER OF SALARY

Ans:-

```
> db.employee.find().sort({"emp_salary":-1})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun",
"emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" : "9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush",
"emp_lname" : "Patel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456" }
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_id" : "3", "emp_fname" : "Vishv",
"emp_lname" : "Sangani", "emp_email" : "vishv@gmail.com", "emp_contact" : "8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_id" : "4", "emp_fname" : "Vishal",
"emp_lname" : "Gohel", "emp_email" : "vishal@gmail.com", "emp_contact" : "8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_id" : "5", "emp_fname" : "Riya",
"emp_lname" : "Kansagra", "emp_email" : "riya@gmail.com", "emp_contact" : "9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" : "9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906" }
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_id" : "8", "emp_fname" : "Tiya",
"emp_lname" : "Patel", "emp_email" : "tiya@gmail.com", "emp_contact" : "7600123906" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_id" : "9", "emp_fname" : "Diya",
"emp_lname" : "Patel", "emp_email" : "diya@gmail.com", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_id" : "10", "emp_fname" : "Siya",
"emp_lname" : "Patel", "emp_email" : "siya@gmail.com", "emp_contact" : "8090123906" }
```

38) DISPLAY THE DETAILS FROM EMP TABLE IN ORDER OF EMP NAME

Ans:-

```
> db.employee.find().sort({"emp_name":1})
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun",
"emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" : "9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush",
"emp_lname" : "Patel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456" }
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_id" : "3", "emp_fname" : "Vishv",
"emp_lname" : "Sangani", "emp_email" : "vishv@gmail.com", "emp_contact" : "8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_id" : "4", "emp_fname" : "Vishal",
"emp_lname" : "Gohel", "emp_email" : "vishal@gmail.com", "emp_contact" : "8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_id" : "5", "emp_fname" : "Riya",
"emp_lname" : "Kansagra", "emp_email" : "riya@gmail.com", "emp_contact" : "9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" : "9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906" }
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_id" : "8", "emp_fname" : "Tiya",
"emp_lname" : "Patel", "emp_email" : "tiya@gmail.com", "emp_contact" : "7600123906" }
```



```
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_id" : "9", "emp_fname" : "Diya",
"emp_lname" : "Patel", "emp_email" : "diya@gmail.com", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_id" : "10", "emp_fname" : "Siya",
"emp_lname" : "Patel", "emp_email" : "siya@gmail.com", "emp_contact" : "8090123906" }
```

39) DISPLAY EMPNO, ENAME, DEPTNO, AND SAL. SORT THE OUTPUT FIRST BASED ON NAME AND WITHIN NAME BY DEPTNO AND WITHIN DEPTNO BY SAL

Ans:-

```
> db.salarydetail.find({}, {_id:0}).sort({"emp_name":1})
{ "s_id" : "4", "emp_id" : "4", "emp_name" : "Aakash", "emp_city" : "Baroda", "emp_salary" :
20000 }
{ "s_id" : "3", "emp_id" : "3", "emp_name" : "Aarohi", "emp_city" : "Rajkot", "emp_salary" :
35000 }
{ "s_id" : "10", "emp_id" : "10", "emp_name" : "Anjani", "emp_city" : "Rajkot", "emp_salary" :
32000 }
{ "s_id" : "8", "emp_id" : "8", "emp_name" : "Ankush", "emp_city" : "Ahmedabad", "emp_salary" :
40000 }
{ "s_id" : 1, "emp_id" : 1, "emp_name" : "Aryan", "emp_city" : "Ahmedabad", "emp_salary" :
27000 }
{ "s_id" : "2", "emp_id" : "2", "emp_name" : "Avni", "emp_city" : "Rajkot", "emp_salary" : 50000 }
{ "s_id" : "6", "emp_id" : "6", "emp_name" : "Kavya", "emp_city" : "Ahmedabad", "emp_salary" :
35000 }
{ "s_id" : "7", "emp_id" : "7", "emp_name" : "Kiya", "emp_city" : "Ahmedabad", "emp_salary" :
25000 }
{ "s_id" : "5", "emp_id" : "5", "emp_name" : "Swati", "emp_city" : "Baroda", "emp_salary" :
25000 }
```

40) DISPLAY THE NAME OF THE EMPLOYEE ALONG WITH THEIR ANNUAL SALARY (SAL * 12).

Ans:-

```
> db.salarydetail.aggregate([ { $project: { emp_name:1, total: { $multiply: [ "$emp_salary", 12 ] } } } ])
{ "_id" : ObjectId("61cae2ac17af007ccf9b7bb"), "emp_name" : "Avni", "total" : 600000 }
{ "_id" : ObjectId("61cae46c17af007ccf9b7bc"), "emp_name" : "Aarohi", "total" : 420000 }
{ "_id" : ObjectId("61cae62c17af007ccf9b7bd"), "emp_name" : "Aakash", "total" : 240000 }
{ "_id" : ObjectId("61cae7ac17af007ccf9b7be"), "emp_name" : "Swati", "total" : 300000 }
{ "_id" : ObjectId("61cae98c17af007ccf9b7bf"), "emp_name" : "Kavya", "total" : 420000 }
{ "_id" : ObjectId("61caeeb5c17af007ccf9b7c0"), "emp_name" : "Kiya", "total" : 300000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "emp_name" : "Ankush", "total" : 480000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "emp_name" : "Anjani", "total" : 384000 }
{ "_id" : ObjectId("61cc31519ce8f23afdde5ccc"), "emp_name" : "Aryan", "total" : 324000 }
```

41) DISPLAY THE NAME OF EMPLOYEE IN LowerCASE.

Ans:-

```
> db.employee.aggregate([{$project:{'_id':0,emp_fname:{$toLower:"$emp_fname"}}}])
{ "emp_fname" : "arjun" }
{ "emp_fname" : "piyush" }
{ "emp_fname" : "vishv" }
{ "emp_fname" : "vishal" }
{ "emp_fname" : "riya" }
{ "emp_fname" : "avni" }
{ "emp_fname" : "anjani" }
{ "emp_fname" : "tiya" }
{ "emp_fname" : "diya" }
{ "emp_fname" : "siya" }
```

41) DISPLAY THE NAME OF EMPLOYEE IN UPPERCASE.

Ans:-

```
> db.employee.aggregate([{$project:{'_id':0,emp_fname:{$toUpper:"$emp_fname"}}}])
```

```
{ "emp_fname" : "ARJUN" }
{ "emp_fname" : "PIYUSH" }
{ "emp_fname" : "VISHV" }
{ "emp_fname" : "VISHAL" }
{ "emp_fname" : "RIYA" }
{ "emp_fname" : "AVNI" }
{ "emp_fname" : "ANJANI" }
{ "emp_fname" : "TIYA" }
{ "emp_fname" : "DIYA" }
{ "emp_fname" : "SIYA" }
```

43) DISPLAY THE NAME OF EMPLOYEE CONCATENATE WITH EMP EMAIL.

Ans:-

```
> db.employee.aggregate([ { $project: { '_id':0, itemDescription: { $concat: [ "$emp_fname", " - ",
"$emp_email" ] } } } ])
{ "itemDescription" : "Arjun - arjun@gmail.com" }
{ "itemDescription" : "Piyush - piyush@gmail.com" }
{ "itemDescription" : "Vishv - vishv@gmail.com" }
{ "itemDescription" : "Vishal - vishal@gmail.com" }
{ "itemDescription" : "Riya - riya@gmail.com" }
{ "itemDescription" : "Avni - avni@gmail.com" }
{ "itemDescription" : "Anjani - anjani@gmail.com" }
{ "itemDescription" : "Tiya - tiya@gmail.com" }
{ "itemDescription" : "Diya - diya@gmail.com" }
{ "itemDescription" : "Siya - siya@gmail.com" }
```

44) FIND OUT THE LENGTH OF YOUR NAME USING APPROPRIATE FUNCTION.

Ans:-

```
> db.employee.aggregate([ { $project: { '_id':0, "emp_fname":1, "length":
{$strLenCP:"$emp_fname"} } } ])
{ "emp_fname" : "Arjun", "length" : 5 }
{ "emp_fname" : "Piyush", "length" : 6 }
{ "emp_fname" : "Vishv", "length" : 5 }
{ "emp_fname" : "Vishal", "length" : 6 }
{ "emp_fname" : "Riya", "length" : 4 }
{ "emp_fname" : "Avni", "length" : 4 }
{ "emp_fname" : "Anjani", "length" : 6 }
{ "emp_fname" : "Tiya", "length" : 4 }
{ "emp_fname" : "Diya", "length" : 4 }
{ "emp_fname" : "Siya", "length" : 4 }
```

45) convert current date to string.

Ans:-

```
> { $dateFromString: { dateString: "2021-12-30T12:10:40.787" } }
2021-12-30T12:10:40.787
```

46) DISPLAY NAME OF THE EMPLOYEE WHOSE SALARY IS SECOND HIGHEST.

Ans:-

```
> db.employee.find({}).sort({"salary":-1}).skip(1).limit(1)
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush",
"emp_lname" : "PAtel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456"
}
```

47) DISPLAY ALL EMPLOYEES WITH THERE CONTACT..

Ans:-

```
db.employee.aggregate([{$project: {'_id':0,Employee:{$concat:
["$emp_fname","-","$emp_contact"]}}}}])
{ "Employee" : "Arjun-9889123456" }
{ "Employee" : "Piyush-9989123456" }
{ "Employee" : "Vishv-8789123906" }
{ "Employee" : "Vishal-8889123906" }
{ "Employee" : "Riya-9089123906" }
{ "Employee" : "Avni-9900123906" }
{ "Employee" : "Anjani-7800123906" }
{ "Employee" : "Tiya-7600123906" }
{ "Employee" : "Diya-9000123906" }
{ "Employee" : "Siya-8090123906" }
```

48) Get first 3 character from employeenname

Ans:-

```
> db.salarydetail.aggregate([{$project: {'_id':0,EmployeeName: { $substr: [ "$emp_name",
0, 3]}}}}])
{ "EmployeeName" : "Avn" }
{ "EmployeeName" : "Aar" }
{ "EmployeeName" : "Aak" }
{ "EmployeeName" : "Swa" }
{ "EmployeeName" : "Kav" }
{ "EmployeeName" : "Kiy" }
{ "EmployeeName" : "Ank" }
{ "EmployeeName" : "Anj" }
{ "EmployeeName" : "Ary" }
```

49) get 2nd to 5th character from employee name

Ans:-

```
> db.salarydetail.aggregate([{$project: {EmployeeName: { $substr:
[ "$emp_name",1,3]}}}}])
{ "_id" : ObjectId("61caee2ac17af007ccf9b7bb"), "EmployeeName" : "vni" }
{ "_id" : ObjectId("61caee46c17af007ccf9b7bc"), "EmployeeName" : "aro" }
{ "_id" : ObjectId("61caee62c17af007ccf9b7bd"), "EmployeeName" : "aka" }
{ "_id" : ObjectId("61caee7ac17af007ccf9b7be"), "EmployeeName" : "wat" }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "EmployeeName" : "avy" }
{ "_id" : ObjectId("61caeeb5c17af007ccf9b7c0"), "EmployeeName" : "iya" }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "EmployeeName" : "nku" }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "EmployeeName" : "nja" }
{ "_id" : ObjectId("61cc31519ce8f23afdde5ccc"), "EmployeeName" : "rya" }
```

50) CONVERT STRING DATE INTO ISOFORMAT

Ans:-

```
{$year: {date: new Date("Jan 7,2003")}}
ISODate("2003-01-06T18:30:00Z")
```

51) sort the employee by decending order and display only last 3 record.

Ans:-

```
> db.salarydetail.find().sort({emp_name:-1}).limit(3);
{ "_id" : ObjectId("61caee7ac17af007ccf9b7be"), "s_id" : "5", "emp_id" : "5", "emp_name" :
"Swati", "emp_city" : "Baroda", "emp_salary" : 25000 }
```

```
{ "_id" : ObjectId("61cae5b5c17af007ccf9b7c0"), "s_id" : "7", "emp_id" : "7", "emp_name" :
"Kiya", "emp_city" : "Ahmedabad", "emp_salary" : 25000 }
{ "_id" : ObjectId("61cae98c17af007ccf9b7bf"), "s_id" : "6", "emp_id" : "6", "emp_name" :
"Kavya", "emp_city" : "Ahmedabad", "emp_salary" : 35000 }
```

52) CREATE A COPY OF EMPLOYEE TABLE

Ans:-

```
> db.employee.copyTo("employee_new");
WARNING: db.eval is deprecated
10
> db.employee_new.find()
{ "_id" : ObjectId("61cae334c17af007ccf9b788"), "emp_id" : "1", "emp_fname" : "Arjun",
"emp_lname" : "Shah", "emp_email" : "arjun@gmail.com", "emp_contact" :
"9889123456" }
{ "_id" : ObjectId("61cae34ec17af007ccf9b789"), "emp_id" : "2", "emp_fname" : "Piyush",
"emp_lname" : "Patel", "emp_email" : "piyush@gmail.com", "emp_contact" : "9989123456"
}
{ "_id" : ObjectId("61cae36dc17af007ccf9b78a"), "emp_id" : "3", "emp_fname" : "Vishv",
"emp_lname" : "Sangani", "emp_email" : "vishv@gmail.com", "emp_contact" :
"8789123906" }
{ "_id" : ObjectId("61cae387c17af007ccf9b78b"), "emp_id" : "4", "emp_fname" : "Vishal",
"emp_lname" : "Gohel", "emp_email" : "vishal@gmail.com", "emp_contact" :
"8889123906" }
{ "_id" : ObjectId("61cae3a5c17af007ccf9b78c"), "emp_id" : "5", "emp_fname" : "Riya",
"emp_lname" : "Kansagra", "emp_email" : "riya@gmail.com", "emp_contact" :
"9089123906" }
{ "_id" : ObjectId("61cae3c1c17af007ccf9b78d"), "emp_id" : "6", "emp_fname" : "Avni",
"emp_lname" : "Sangani", "emp_email" : "avni@gmail.com", "emp_contact" :
"9900123906" }
{ "_id" : ObjectId("61cae3dfc17af007ccf9b78e"), "emp_id" : "7", "emp_fname" : "Anjani",
"emp_lname" : "Patel", "emp_email" : "anjani@gmail.com", "emp_contact" : "7800123906"
}
{ "_id" : ObjectId("61cae3f4c17af007ccf9b78f"), "emp_id" : "8", "emp_fname" : "Tiya",
"emp_lname" : "Patel", "emp_email" : "tiya@gmail.com", "emp_contact" : "7600123906" }
{ "_id" : ObjectId("61cae40ec17af007ccf9b790"), "emp_id" : "9", "emp_fname" : "Diya",
"emp_lname" : "Patel", "emp_email" : "diya@gmail.com", "emp_contact" : "9000123906" }
{ "_id" : ObjectId("61cae42cc17af007ccf9b791"), "emp_id" : "10", "emp_fname" : "Siya",
"emp_lname" : "Patel", "emp_email" : "siya@gmail.com", "emp_contact" : "8090123906" }
```

53) Find sum of salary of all employee with same leave.

Ans:-

```
> db.salarydetail.aggregate([{$group : { _id : "$emp_city", salary_sum : {$sum :
"$emp_salary" }}}}]
{ "_id" : "Ahmedabad", "salary_sum" : 127000 }
{ "_id" : "Baroda", "salary_sum" : 45000 }
{ "_id" : "Rajkot", "salary_sum" : 117000 }
```

54) DISPLAY THE DETAILS OF EMPLOYEE WHO EARN SALARY IN EVEN

Ans:-

```
> db.salarydetail.find({emp_salary:{$mod:[2,0]}})
{ "_id" : ObjectId("61cae2ac17af007ccf9b7bb"), "s_id" : "2", "emp_id" : "2",
"emp_name" : "Avni", "emp_city" : "Rajkot", "emp_salary" : 50000 }
{ "_id" : ObjectId("61cae46c17af007ccf9b7bc"), "s_id" : "3", "emp_id" : "3", "emp_name" :
"Aarohi", "emp_city" : "Rajkot", "emp_salary" : 35000 }
{ "_id" : ObjectId("61cae62c17af007ccf9b7bd"), "s_id" : "4", "emp_id" : "4",
"emp_name" : "Aakash", "emp_city" : "Baroda", "emp_salary" : 20000 }
```

```
{ "_id" : ObjectId("61caee7ac17af007ccf9b7be"), "s_id" : "5", "emp_id" : "5", "emp_name" :
"Swati", "emp_city" : "Baroda", "emp_salary" : 25000 }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "s_id" : "6", "emp_id" : "6", "emp_name" :
"Kavya", "emp_city" : "Ahmedabad", "emp_salary" : 35000 }
{ "_id" : ObjectId("61cae5b5c17af007ccf9b7c0"), "s_id" : "7", "emp_id" : "7", "emp_name" :
"Kiya", "emp_city" : "Ahmedabad", "emp_salary" : 25000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "s_id" : "8", "emp_id" : "8", "emp_name" :
"Ankush", "emp_city" : "Ahmedabad", "emp_salary" : 40000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "s_id" : "10", "emp_id" : "10",
"emp_name" : "Anjani", "emp_city" : "Rajkot", "emp_salary" : 32000 }
{ "_id" : ObjectId("61cc31519ce8f23afdde5ccc"), "s_id" : 1, "emp_id" : 1, "emp_name" :
"Aryan", "emp_city" : "Ahmedabad", "emp_salary" : 27000 }
```

55) Find sum of salary of all employee with same firstName where salary > 35000

Ans:-

```
> db.salarydetail.aggregate([ { $match: { emp_salary : { $gt: 35000 } } }, { $group : { _id :
"$emp_name", salary_sum : { $sum : "$emp_salary" } } }])
{ "_id" : "Ankush", "salary_sum" : 40000 }
{ "_id" : "Avni", "salary_sum" : 50000 }
```

56) DROP EMPLOYEE TABLE COPY.

Ans:-

```
> db.employee_new.drop()
true
```

57) The state_name must start with letter "M"

Ans:-

```
> db.product.find( { product_name: { $regex: 'M.*' } } ).pretty();
{
  "_id" : ObjectId("61cae5aec17af007ccf9b7b1"),
  "product_id" : "2",
  "product_name" : "Moisturizer",
  "product_price" : "900",
  "product_quantity" : "1",
  "product_categories" : "Beauty"
}
```

58) Display the employee details whose salary between 30000 to 40000

Ans:-

```
> db.salarydetail.find({emp_salary:{ $gt: 30000, $lte: 40000}})
{ "_id" : ObjectId("61caee46c17af007ccf9b7bc"), "s_id" : "3", "emp_id" : "3", "emp_name" :
"Aarohi", "emp_city" : "Rajkot", "emp_salary" : 35000 }
{ "_id" : ObjectId("61caee98c17af007ccf9b7bf"), "s_id" : "6", "emp_id" : "6", "emp_name" :
"Kavya", "emp_city" : "Ahmedabad", "emp_salary" : 35000 }
{ "_id" : ObjectId("61caeed8c17af007ccf9b7c1"), "s_id" : "8", "emp_id" : "8", "emp_name" :
"Ankush", "emp_city" : "Ahmedabad", "emp_salary" : 40000 }
{ "_id" : ObjectId("61caef22c17af007ccf9b7c3"), "s_id" : "10", "emp_id" : "10",
"emp_name" : "Anjani", "emp_city" : "Rajkot", "emp_salary" : 32000 }
```

59) Display all the document which are present in collections.

Ans:-

```
> db.employee.find({emp_fname : "Avni"}).forEach(printjson);
{
  "_id" : ObjectId("61cae3c1c17af007ccf9b78d"),
  "emp_id" : "6",
  "emp_fname" : "Avni",
  "emp_lname" : "Sangani",
  "emp_email" : "avni@gmail.com",
  "emp_contact" : "9900123906"
}
```

60) DISPLAY THE TOTAL NUMBER OF PRODUCT.

Ans:-

```
> db.product.find().count()
10
```

