

-----MONGO DB QUERIES-----

1 DISPLAY THE STUDENT INFORMATION FROM STUDENT TABLE.

--->db.students.find()

```
{ "_id" : ObjectId("61cad04bcdca7f1ccbb8a05"), "student_id" : 101, "student_name" :
"shreyanshi", "address" : "abcxyz", "email" : "shreyanshi@gmail.com", "mobile_no" :
9087654321 }
{ "_id" : ObjectId("61cadd8dbcdca7f1ccbb8a06"), "student_id" : 102, "student_name" : "avani",
"address" : "abc123", "email" : "avani@gmail.com", "mobile_no" : 9087675432 }
{ "_id" : ObjectId("61caddb8bcdca7f1ccbb8a07"), "student_id" : 103, "student_name" : "riya",
"address" : "xyz123", "email" : "riya@gmail.com", "mobile_no" : 9087675832 }
{ "_id" : ObjectId("61cadd5bcdca7f1ccbb8a08"), "student_id" : 104, "student_name" : "shriya",
"address" : "xyzcvgd", "email" : "shriya@gmail.com", "mobile_no" : 9890675832 }
{ "_id" : ObjectId("61caddfcbcdca7f1ccbb8a09"), "student_id" : 105, "student_name" : "anjani",
"address" : "nsxbnsgd", "email" : "anjani@gmail.com", "mobile_no" : 9890875832 }
{ "_id" : ObjectId("61cade1abcdca7f1ccbb8a0a"), "student_id" : 106, "student_name" : "kajal",
"address" : "nscxbnsjcbgd", "email" : "kajal@gmail.com", "mobile_no" : 9080875832 }
{ "_id" : ObjectId("61cadec3bcdca7f1ccbb8a0b"), "student_id" : 107, "student_name" : "deversh",
"address" : "nscxbnshjgd", "email" : "deversh@gmail.com", "mobile_no" : 980875832 }
{ "_id" : ObjectId("61cadee5bcdca7f1ccbb8a0c"), "student_id" : 108, "student_name" : "manasi",
"address" : "nscxbnshhju", "email" : "manasi@gmail.com", "mobile_no" : 908875832 }
{ "_id" : ObjectId("61cadefdbcdca7f1ccbb8a0d"), "student_id" : 109, "student_name" : "dharmi",
"address" : "nscx", "email" : "dharmi@gmail.com", "mobile_no" : 908879082 }
{ "_id" : ObjectId("61cadf2fbcdca7f1ccbb8a0e"), "student_id" : 110, "student_name" : "foram",
"address" : "abc", "email" : "foram@gmail.com", "mobile_no" : 1238879082 }
```

2 DISPLAY THE DETAILS OF ALL EMPLOYEES.

-->db.employee.find().pretty()

```
{
  "_id" : ObjectId("61caf9ddbcdca7f1ccbb8a9c"),
  "emp_id" : 1,
  "emp_name" : "e1",
  "b_group" : "b+",
  "email" : "e1@gmail.com",
  "m_no" : 9087654321
}
{
  "_id" : ObjectId("61caf9edbcdca7f1ccbb8a9d"),
  "emp_id" : 2,
  "emp_name" : "e2",
  "b_group" : "a+",
  "email" : "e2@gmail.com",
  "m_no" : 9087654322
}
{
  "_id" : ObjectId("61caf9f3bcdca7f1ccbb8a9e"),
  "emp_id" : 3,
  "emp_name" : "e3",
  "b_group" : "ab+",
  "email" : "e3@gmail.com",
  "m_no" : 9187654322
}
{
  "_id" : ObjectId("61caf9fabcdca7f1ccbb8a9f"),
  "emp_id" : 4,
  "emp_name" : "e4",
  "b_group" : "o+",
  "email" : "e4@gmail.com",
  "m_no" : 9187654323
}
```

```

}
{
  "_id" : ObjectId("61cafa00bcdca7f1ccbb8aa0"),
  "emp_id" : 5,
  "emp_name" : "e5",
  "b_group" : "b+",
  "email" : "e5@gmail.com",
  "m_no" : 9187654325
}
{
  "_id" : ObjectId("61cafa06bcdca7f1ccbb8aa1"),
  "emp_id" : 6,
  "emp_name" : "e6",
  "b_group" : "a+",
  "email" : "e6@gmail.com",
  "m_no" : 9187654326
}
{
  "_id" : ObjectId("61cafa0bbcdca7f1ccbb8aa2"),
  "emp_id" : 7,
  "emp_name" : "e7",
  "b_group" : "b+",
  "email" : "e7@gmail.com",
  "m_no" : 9187654327
}
{
  "_id" : ObjectId("61cafa16bcdca7f1ccbb8aa3"),
  "emp_id" : 8,
  "emp_name" : "e8",
  "b_group" : "ab+",
  "email" : "e8@gmail.com",
  "m_no" : 9187654328
}
{
  "_id" : ObjectId("61cafa1cbcdca7f1ccbb8aa4"),
  "emp_id" : 9,
  "emp_name" : "e9",
  "b_group" : "a+",
  "email" : "e9@gmail.com",
  "m_no" : 9187654329
}
{
  "_id" : ObjectId("61cafa22bcdca7f1ccbb8aa5"),
  "emp_id" : 10,
  "emp_name" : "e10",
  "b_group" : "b+",
  "email" : "e10@gmail.com",
  "m_no" : 8187654329
}

```

3. DISPLAY THE NAME AND Email FOR ALL EMPLOYEES.

```

--->db.employee.find({}, {emp_name:1, email:1})
{ "_id" : ObjectId("61caf9ddbcdca7f1ccbb8a9c"), "emp_name" : "e1", "email" :
"e1@gmail.com" }
{ "_id" : ObjectId("61caf9edbcdca7f1ccbb8a9d"), "emp_name" : "e2", "email" :
"e2@gmail.com" }
{ "_id" : ObjectId("61caf9f3bcdca7f1ccbb8a9e"), "emp_name" : "e3", "email" :
"e3@gmail.com" }
{ "_id" : ObjectId("61caf9fabcdca7f1ccbb8a9f"), "emp_name" : "e4", "email" :
"e4@gmail.com" }
{ "_id" : ObjectId("61cafa00bcdca7f1ccbb8aa0"), "emp_name" : "e5", "email" :
"e5@gmail.com" }
{ "_id" : ObjectId("61cafa06bcdca7f1ccbb8aa1"), "emp_name" : "e6", "email" :
"e6@gmail.com" }

```

```

{ "_id" : ObjectId("61cafa0bbcdca7f1ccbb8aa2"), "emp_name" : "e7", "email" :
"e7@gmail.com" }
{ "_id" : ObjectId("61cafa16bcdca7f1ccbb8aa3"), "emp_name" : "e8", "email" :
"e8@gmail.com" }
{ "_id" : ObjectId("61cafa1cbcdca7f1ccbb8aa4"), "emp_name" : "e9", "email" :
"e9@gmail.com" }
{ "_id" : ObjectId("61cafa22bcdca7f1ccbb8aa5"), "emp_name" : "e10", "email" :
"e10@gmail.com" }

```

4.DISPLAY NAME AND blood_group FOR ALL EMPLOYEES.

```

--->db.employee.find({}, {emp_name:1,b_group:1})
{ "_id" : ObjectId("61caf9ddbcdca7f1ccbb8a9c"), "emp_name" : "e1", "b_group" :
"b+" }
{ "_id" : ObjectId("61caf9edbcdca7f1ccbb8a9d"), "emp_name" : "e2", "b_group" :
"a+" }
{ "_id" : ObjectId("61caf9f3bcdca7f1ccbb8a9e"), "emp_name" : "e3", "b_group" :
"ab+" }
{ "_id" : ObjectId("61caf9fabcdca7f1ccbb8a9f"), "emp_name" : "e4", "b_group" :
"o+" }
{ "_id" : ObjectId("61cafa00bcdca7f1ccbb8aa0"), "emp_name" : "e5", "b_group" :
"b+" }
{ "_id" : ObjectId("61cafa06bcdca7f1ccbb8aa1"), "emp_name" : "e6", "b_group" :
"a+" }
{ "_id" : ObjectId("61cafa0bbcdca7f1ccbb8aa2"), "emp_name" : "e7", "b_group" :
"b+" }
{ "_id" : ObjectId("61cafa16bcdca7f1ccbb8aa3"), "emp_name" : "e8", "b_group" :
"ab+" }
{ "_id" : ObjectId("61cafa1cbcdca7f1ccbb8aa4"), "emp_name" : "e9", "b_group" :
"a+" }
{ "_id" : ObjectId("61cafa22bcdca7f1ccbb8aa5"), "emp_name" : "e10", "b_group" :
"b+" }

```

5.DISPLAY EMPLOYEE NUMBER AND TOTAL SALARY FOR EACH EMPLOYEE.

```

--->db.salary.aggregate([      { $project: { emp_name:1, total: { $subtract:
[ "$salary", 2000] } } }      ] )
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_name" : "shreyanshi", "total"
: 28000 }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_name" : "avani", "total" :
28000 }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_name" : "riya", "total" :
29000 }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_name" : "shriya", "total" :
28000 }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_name" : "anjani", "total" :
33000 }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_name" : "kajal", "total" :
28000 }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_name" : "devarsh", "total" :
30000 }
{ "_id" : ObjectId("61cafbd8bcdca7f1ccbb8ac1"), "emp_name" : "manasi", "total" :
28000 }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_name" : "shruti", "total" :
38000 }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_name" : "krishna", "total" :
38000 }

```

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

```

--->db.salary.aggregate([      { $project: { emp_name:1, total: { $multiply:
[ "$salary", 12] } } }      ] )
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_name" : "shreyanshi", "total"
: 360000 }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_name" : "avani", "total" :
360000 }

```

```

{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_name" : "riya", "total" :
372000 }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_name" : "shriya", "total" :
360000 }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_name" : "anjani", "total" :
420000 }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_name" : "kajal", "total" :
360000 }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_name" : "devarsh", "total" :
384000 }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "emp_name" : "manasi", "total" :
360000 }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_name" : "shruti", "total" :
480000 }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_name" : "krishna", "total" :
480000 }

```

7. DISPLAY THE NAMES OF ALL EMPLOYEES Whose blood group is b+

```

--->db.employee.find({b_group: 'b+' })
{ "_id" : ObjectId("61caf9ddbcdca7f1ccbb8a9c"), "emp_id" : 1, "emp_name" : "e1",
"b_group" : "b+", "email" : "e1@gmail.com", "m_no" : 9087654321 }
{ "_id" : ObjectId("61cafa00bcdca7f1ccbb8aa0"), "emp_id" : 5, "emp_name" : "e5",
"b_group" : "b+", "email" : "e5@gmail.com", "m_no" : 9187654325 }
{ "_id" : ObjectId("61cafa0bbcdca7f1ccbb8aa2"), "emp_id" : 7, "emp_name" : "e7",
"b_group" : "b+", "email" : "e7@gmail.com", "m_no" : 9187654327 }
{ "_id" : ObjectId("61cafa22bcdca7f1ccbb8aa5"), "emp_id" : 10, "emp_name" : "e10",
"b_group" : "b+", "email" : "e10@gmail.com", "m_no" : 8187654329 }

```

8. DISPLAY THE NAMES OF ALL EMPLOYEES SALARY MORE THAN 30000.

```

--->db.salary.find({$and: [{ salary: {$gt:30000}}, {salary:{$exists:true}}]})
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_id" : 3, "emp_name" : "riya",
"salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" :
"anjani", "salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" :
"devarsh", "salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" :
"shruti", "salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" :
"krishna", "salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }

```

9.DISPLAY EMPLOYEE Name AND id FOR EMPLOYEES Whose blood group is b+.

```

db.employee.find({b_group:"b+"},{emp_id:1,emp_name:1,_id:0})
{ "emp_id" : 1, "emp_name" : "e1" }
{ "emp_id" : 5, "emp_name" : "e5" }
{ "emp_id" : 7, "emp_name" : "e7" }
{ "emp_id" : 10, "emp_name" : "e10" }

```

10.DISPLAY NAMES OF EMPLOYEES WHO DO NOT take ANY leave.

```

--->db.salary.find({leave:0},{emp_name:1,_id:0})
{ "emp_name" : "shruti" }

```

11. DISPLAY THE course name php or python, or which duration is 3month.

```

db.course.find({$or:[ {course_name:"php"}, {course_name:"python"}, {duration:3}],
{course_name:1,_id:0})
{ "course_name" : "javascript" }
{ "course_name" : "java" }
{ "course_name" : "vue.js" }
{ "course_name" : ".net" }
{ "course_name" : "python" }
{ "course_name" : "php" }

```

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

```

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 900R AFTER 31 ST DEC 90

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

14.DISPLAY CURRENT DATE

```
--->Date()
Wed Dec 29 2021 18:52:18 GMT+0530 (IST)
```

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

```
--->db.getUsers()
[ ]
```

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

```
--->show collections
```

```
Teacher
city
course
employee
order
product
salary
state
student
students
user
```

17.DISPLAY THE NAME OF THE CURRENT USER.

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

18.DISPLAY THE NAMES OF course id 1

OR 3 OR 10 OR course name AS php OR .net.

```
--->db.course.find({$or:[{course_id:1},{course_id:3},{course_id:10},
{course_name:"php"},{course_name:".net"}]})
{ "_id" : ObjectId("61caf88dbcdca7f1ccbb8a88"), "course_id" : 1, "course_name" :
"javascript", "source" : "javaTpoint", "duration" : 3, "city" : "ahmedabad" }
{ "_id" : ObjectId("61caf89fbcdca7f1ccbb8a8a"), "course_id" : 3, "course_name" :
"java", "source" : "javatpoint", "duration" : 3, "city" : "rajkot" }
{ "_id" : ObjectId("61caf8e1bcdca7f1ccbb8a8f"), "course_id" : 8, "course_name" :
".net", "source" : "w3school", "duration" : 3, "city" : "bhavnagar" }
{ "_id" : ObjectId("61caf8f1bcdca7f1ccbb8a91"), "course_id" : 10, "course_name" :
"php", "source" : "codeacademy", "duration" : 3, "city" : "gandhinagar" }
```

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

```

--->db.salary.find({"emp_name": /.s./})
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" :
"shreyanshi", "salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" :
"devarsh", "salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbd8bcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" :
"manasi", "salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" :
"krishna", "salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }

```

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

```

--->db.salary.find({"emp_name": /....i/})
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" :
"shreyanshi", "salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_id" : 2, "emp_name" :
"avani", "salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" :
"anjani", "salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
{ "_id" : ObjectId("61cafbd8bcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" :
"manasi", "salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" :
"shruti", "salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }

```

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

```

---> db.salary.find({"emp_name": /.a./})
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_id" : 6, "emp_name" :
"kajal", "salary" : 30000, "leave" : 5, "email" : "kajal@gmail.com" }
{ "_id" : ObjectId("61cafbd8bcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" :
"manasi", "salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }

```

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

```

--->db.salary.find({emp_name: {$exists: true}, $where: "this.emp_name.length =
5"}).limit(2);

```

```

{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_id" : 2, "emp_name" :
"avani", "salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }

```

23.DISPLAY THE NAMES OF EMPLOYEES WHO ARE NOT WORKING AS MANAGERS

```

--->db.course.find({course_name:{$nin:["php"]}})
{ "_id" : ObjectId("61caf88dbcdca7f1ccbb8a88"), "course_id" : 1, "course_name" :
"javascript", "source" : "javaTpoint", "duration" : 3, "city" : "ahmedabad" }
{ "_id" : ObjectId("61caf898bcdca7f1ccbb8a89"), "course_id" : 2, "course_name" :
"c", "source" : "W3school", "duration" : 2, "city" : "suart" }
{ "_id" : ObjectId("61caf89fbcdca7f1ccbb8a8a"), "course_id" : 3, "course_name" :
"java", "source" : "javatpoint", "duration" : 3, "city" : "rajkot" }
{ "_id" : ObjectId("61caf8a5bcdca7f1ccbb8a8b"), "course_id" : 4, "course_name" :
"c++", "source" : "javatpoint", "duration" : 4, "city" : "vadodara" }
{ "_id" : ObjectId("61caf8aebcdca7f1ccbb8a8c"), "course_id" : 5, "course_name" :
"react.js", "source" : "javatpoint", "duration" : 2, "city" : "bharuch" }
{ "_id" : ObjectId("61caf8b4bcdca7f1ccbb8a8d"), "course_id" : 6, "course_name" :
"vue.js", "source" : "udemy", "duration" : 3, "city" : "navsari" }

```

```
{ "_id" : ObjectId("61caf8b9bcdca7f1ccbb8a8e"), "course_id" : 7, "course_name" :
"c#", "source" : "udemy", "duration" : 2, "city" : "amreli" }
{ "_id" : ObjectId("61caf8e1bcdca7f1ccbb8a8f"), "course_id" : 8, "course_name" :
".net", "source" : "w3school", "duration" : 3, "city" : "bhavnagar" }
{ "_id" : ObjectId("61caf8ecbcdca7f1ccbb8a90"), "course_id" : 9, "course_name" :
"python", "source" : "codeacademy", "duration" : 4, "city" : "navsari" }
```

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

```
--->db.course.find({course_name:{$nin:["php","python","java"]}})
{ "_id" : ObjectId("61caf88dbcdca7f1ccbb8a88"), "course_id" : 1, "course_name" :
"javascript", "source" : "javaTpoint", "duration" : 3, "city" : "ahmedabad" }
{ "_id" : ObjectId("61caf898bcdca7f1ccbb8a89"), "course_id" : 2, "course_name" :
"c", "source" : "W3school", "duration" : 2, "city" : "suart" }
{ "_id" : ObjectId("61caf8a5bcdca7f1ccbb8a8b"), "course_id" : 4, "course_name" :
"c++", "source" : "javatpoint", "duration" : 4, "city" : "vadodara" }
{ "_id" : ObjectId("61caf8aebcdca7f1ccbb8a8c"), "course_id" : 5, "course_name" :
"react.js", "source" : "javatpoint", "duration" : 2, "city" : "bharuch" }
{ "_id" : ObjectId("61caf8b4bcdca7f1ccbb8a8d"), "course_id" : 6, "course_name" :
"vue.js", "source" : "udemy", "duration" : 3, "city" : "navsari" }
{ "_id" : ObjectId("61caf8b9bcdca7f1ccbb8a8e"), "course_id" : 7, "course_name" :
"c#", "source" : "udemy", "duration" : 2, "city" : "amreli" }
{ "_id" : ObjectId("61caf8e1bcdca7f1ccbb8a8f"), "course_id" : 8, "course_name" :
".net", "source" : "w3school", "duration" : 3, "city" : "bhavnagar" }
```

25.DISPLAY ALL ROWS FROM EMP TABLE. THE SYSTEM SHOULD WAIT AFTER
EVERY SCREEN FULL OF INFORMATION

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

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

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

```
10
```

27.DISPLAY THE TOTAL SALARY BEING PAID TO ALL EMPLOYEES

```
--->db.salary.aggregate([{$group : { _id : 0, salary_sum : {$sum : "$salary"}}}])
{ "_id" : 0, "salary_sum" : 328000 }
```

28.DISPLAY THE MAXIMUM SALARY FROM EMP TABLE.

```
--->db.salary.aggregate({ $group : { _id: null, max: { $max : "$salary" }}});
{ "_id" : null, "max" : 40000 }
```

29.DISPLAY THE MINIMUM SALARY FROM EMP TABLE.

```
--->db.salary.aggregate({ $group : { _id: null, min: { $min : "$salary" }}});
{ "_id" : null, "min" : 30000 }
```

30.DISPLAY THE AVERAGE SALARY FROM EMP TABLE.

```
--->db.salary.aggregate([{$group:{_id:"$by_user",Average:{$avg:"$salary"}}}])
{ "_id" : null, "Average" : 32800 }
```

31.DISPLAY THE MAXIMUM SALARY BEING PAID TO CLERK.

```
--->db.salary.aggregate([{$match:{leave:2}},{$group:{_id:0,Maximum:
{$max:"$salary"}}}])
{ "_id" : 0, "Maximum" : 31000 }
```

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

```
--->db.salary.aggregate([{$match:{leave:1}},{$group:{_id:0,Maximum:
{$max:"$salary"}}}])
```

```
{ "_id" : 0, "Maximum" : 40000 }
```

33.DISPLAY THE MIN SAL BEING PAID TO ANY SALESMAN

```
--->db.salary.aggregate([{$match:{leave:1}},{$group:{_id:0,Minimum:
{$min:"$salary"}}}])
```

```
{ "_id" : 0, "Minimum" : 30000 }
```

34.DISPLAY THE AVERAGE SALARY DRAWN BY MANAGERS.

```
--->db.salary.aggregate([{$match : { leave : 2 } },{$group:{_id:"$leave",Average:
{$avg:"$salary"}}} ] );
```

```
{ "_id" : 2, "Average" : 30500 }
```

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

```
--->db.salary.aggregate([{$match : { leave : 2 } },{$group:{_id:"$leave",salary_sum:
{$sum:"$salary"}}}])
```

```
{ "_id" : 2, "salary_sum" : 61000 }
```

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

```
--->db.salary.find({},{$emp_name:1,_id:0,salary:1}).sort({"salary":1})
```

```
{ "emp_name" : "shreyanshi", "salary" : 30000 }
```

```
{ "emp_name" : "avani", "salary" : 30000 }
```

```
{ "emp_name" : "shriya", "salary" : 30000 }
```

```
{ "emp_name" : "kajal", "salary" : 30000 }
```

```
{ "emp_name" : "manasi", "salary" : 30000 }
```

```
{ "emp_name" : "riya", "salary" : 31000 }
```

```
{ "emp_name" : "devarsh", "salary" : 32000 }
```

```
{ "emp_name" : "anjani", "salary" : 35000 }
```

```
{ "emp_name" : "shruti", "salary" : 40000 }
```

```
{ "emp_name" : "krishna", "salary" : 40000 }
```

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

```
--->db.salary.find().sort({"salary":-1})
```

```
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" : "shruti", "salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "krishna", "salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "anjani", "salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "devarsh", "salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "riya", "salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "shreyanshi", "salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "avani", "salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "shriya", "salary" : 30000, "leave" : 3, "email" : "shriya@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "kajal", "salary" : 30000, "leave" : 5, "email" : "kajal@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "manasi", "salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
```

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

```
--->db.salary.find().sort({"emp_name":1})
```

```
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "anjani", "salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
```



```

{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_id" : 2, "emp_name" :
"avani", "salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" :
"devarsh", "salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_id" : 6, "emp_name" :
"kajal", "salary" : 30000, "leave" : 5, "email" : "kajal@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" :
"krishna", "salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
{ "_id" : ObjectId("61cafbbdbcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" :
"manasi", "salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_id" : 3, "emp_name" : "riya",
"salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" :
"shreyanshi", "salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" :
"shriya", "salary" : 30000, "leave" : 3, "email" : "shriya@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" :
"shruti", "salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }

```

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

```

--->db.salary.find({}, {_id:0}).sort({"emp_name":1})
{ "emp_id" : 5, "emp_name" : "anjani", "salary" : 35000, "leave" : 4, "email" :
"anjani@gmail.com" }
{ "emp_id" : 2, "emp_name" : "avani", "salary" : 30000, "leave" : 1, "email" :
"avani@gmail.com" }
{ "emp_id" : 7, "emp_name" : "devarsh", "salary" : 32000, "leave" : 6, "email" :
"devarsh@gmail.com" }
{ "emp_id" : 6, "emp_name" : "kajal", "salary" : 30000, "leave" : 5, "email" :
"kajal@gmail.com" }
{ "emp_id" : 10, "emp_name" : "krishna", "salary" : 40000, "leave" : 1, "email" :
"krishna@gmail.com" }
{ "emp_id" : 8, "emp_name" : "manasi", "salary" : 30000, "leave" : 1, "email" :
"manasi@gmail.com" }
{ "emp_id" : 3, "emp_name" : "riya", "salary" : 31000, "leave" : 2, "email" :
"riya@gmail.com" }
{ "emp_id" : 1, "emp_name" : "shreyanshi", "salary" : 30000, "leave" : 2,
"email" : "shreyanshi@gmail.com" }
{ "emp_id" : 4, "emp_name" : "shriya", "salary" : 30000, "leave" : 3, "email" :
"shriya@gmail.com" }
{ "emp_id" : 9, "emp_name" : "shruti", "salary" : 40000, "leave" : 0, "email" :
"shruti@gmail.com" }

```

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

```

--->db.salary.aggregate([      { $project: { emp_name:1, total: { $multiply:
[ "$salary", 12] } } }      ] )
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_name" : "shreyanshi", "total"
: 360000 }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_name" : "avani", "total" :
360000 }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_name" : "riya", "total" :
372000 }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_name" : "shriya", "total" :
360000 }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_name" : "anjani", "total" :
420000 }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_name" : "kajal", "total" :
360000 }

```

```

{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_name" : "devarsh", "total" : 384000 }
{ "_id" : ObjectId("61cafbbdbcdca7f1ccbb8ac1"), "emp_name" : "manasi", "total" : 360000 }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_name" : "shruti", "total" : 480000 }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_name" : "krishna", "total" : 480000 }

```

41.DISPLAY THE NAME OF EMPLOYEE IN LowerCASE.

```

--->db.salary.aggregate([{$project:{'_id':0,emp_name:{$toLower:"$emp_name"}}}])
{ "emp_name" : "shreyanshi" }
{ "emp_name" : "avani" }
{ "emp_name" : "riya" }
{ "emp_name" : "shriya" }
{ "emp_name" : "anjani" }
{ "emp_name" : "kajal" }
{ "emp_name" : "devarsh" }
{ "emp_name" : "manasi" }
{ "emp_name" : "shruti" }
{ "emp_name" : "krishna" }

```

42.DISPLAY THE NAME OF EMPLOYEE IN UPPERCASE.

```

--->db.salary.aggregate([{$project:{'_id':0,emp_name:{$toUpper:"$emp_name"}}}])
{ "emp_name" : "SHREYANSHI" }
{ "emp_name" : "AVANI" }
{ "emp_name" : "RIYA" }
{ "emp_name" : "SHRIYA" }
{ "emp_name" : "ANJANI" }
{ "emp_name" : "KAJAL" }
{ "emp_name" : "DEVARSH" }
{ "emp_name" : "MANASI" }
{ "emp_name" : "SHRUTI" }
{ "emp_name" : "KRISHNA" }

```

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

```

--->db.salary.aggregate([{$project:{'_id':0,Description:{$concat:["$emp_name"," - ","$email"]} }}])
{ "Description" : "shreyanshi - shreyanshi@gmail.com" }
{ "Description" : "avani - avani@gmail.com" }
{ "Description" : "riya - riya@gmail.com" }
{ "Description" : "shriya - shriya@gmail.com" }
{ "Description" : "anjani - anjani@gmail.com" }
{ "Description" : "kajal - kajal@gmail.com" }
{ "Description" : "devarsh - devarsh@gmail.com" }
{ "Description" : "manasi - manasi@gmail.com" }
{ "Description" : "shruti - shruti@gmail.com" }
{ "Description" : "krishna - krishna@gmail.com" }

```

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

```

--->> db.salary.aggregate([{$project:{"emp_name":1,"length":
{$strLenCP:"$emp_name"}}}])
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_name" : "shreyanshi", "length" : 10 }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_name" : "avani", "length" : 5 }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_name" : "riya", "length" : 4 }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_name" : "shriya", "length" : 6 }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_name" : "anjani", "length" : 6 }

```

```
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_name" : "kajal", "length" : 5 }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_name" : "devarsh", "length" : 7 }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "emp_name" : "manasi", "length" : 6 }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_name" : "shruti", "length" : 6 }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_name" : "krishna", "length" : 7 }
```

45.convert current date to string

```
> { $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

```
--->db.salary.find({}).sort({"salary":-1}).skip(1).limit(1)
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" : "krishna",
"salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
```

47.DISPLAY ALL EMPLOYEES WITH THERE DEPT NAME.

```
--->db.salary.aggregate([{$project:{'_id':0,Employee:{$concat:
["$emp_name","-","$email"]}}}])
{ "Employee" : "shreyanshi-shreyanshi@gmail.com" }
{ "Employee" : "avani-avani@gmail.com" }
{ "Employee" : "riya-riya@gmail.com" }
{ "Employee" : "shriya-shriya@gmail.com" }
{ "Employee" : "anjani-anjani@gmail.com" }
{ "Employee" : "kajal-kajal@gmail.com" }
{ "Employee" : "devarsh-devarsh@gmail.com" }
{ "Employee" : "manasi-manasi@gmail.com" }
{ "Employee" : "shruti-shruti@gmail.com" }
{ "Employee" : "krishna-krishna@gmail.com" }
```

48.Get first 3 character from employee name

```
--->db.salary.aggregate([{$project:{EmployeeName: { $substr: [ "$emp_name", 0, 3]}}}])
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "EmployeeName" : "shr" }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "EmployeeName" : "ava" }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "EmployeeName" : "riy" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "EmployeeName" : "shr" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "EmployeeName" : "anj" }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "EmployeeName" : "kaj" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "EmployeeName" : "dev" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "EmployeeName" : "man" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "EmployeeName" : "shr" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "EmployeeName" : "kri" }
```

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

```
--->db.salary.aggregate([{$project:{EmployeeName: { $substr:
[ "$emp_name",1,3]}}}])
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "EmployeeName" : "hre" }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "EmployeeName" : "van" }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "EmployeeName" : "iya" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "EmployeeName" : "hri" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "EmployeeName" : "nja" }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "EmployeeName" : "aja" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "EmployeeName" : "eva" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "EmployeeName" : "ana" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "EmployeeName" : "hru" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "EmployeeName" : "ris" }
```

50. CONVERT STRING DATE INTO ISOFORMAT

```
--->{$year:{date: new Date("Dec 30,2021")}}
```

ISODate("2021-12-29T18:30:00Z")

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

```
> db.salary.find().sort({emp_name:-1}).limit(3);
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" : "shruti",
"salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "shriya",
"salary" : 30000, "leave" : 3, "email" : "shriya@gmail.com" }
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" : "shreyanshi",
"salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
```

52.Find sum of salary of all employee with same leave.

```
--->db.salary.aggregate([{$group : {_id : "$leave", salary_sum : {$sum : "$salary"}}}])
{ "_id" : 0, "salary_sum" : 40000 }
{ "_id" : 6, "salary_sum" : 32000 }
{ "_id" : 5, "salary_sum" : 30000 }
{ "_id" : 4, "salary_sum" : 35000 }
{ "_id" : 3, "salary_sum" : 30000 }
{ "_id" : 1, "salary_sum" : 100000 }
{ "_id" : 2, "salary_sum" : 61000 }
```

53. CREATE A COPY OF EMPLOYEE TABLE

```
--->db.salary.copyTo("copy_salary");
```

WARNING: db.eval is deprecated

10

```
> db.copy_salary.find()
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" : "shreyanshi",
"salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_id" : 2, "emp_name" : "avani",
"salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_id" : 3, "emp_name" : "riya",
"salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "shriya",
"salary" : 30000, "leave" : 3, "email" : "shriya@gmail.com" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" : "anjani",
"salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_id" : 6, "emp_name" : "kajal",
"salary" : 30000, "leave" : 5, "email" : "kajal@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" : "devarsh",
"salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" : "manasi",
"salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" : "shruti",
"salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" : "krishna",
"salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
```

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

```
---->db.salary.find({salary:{$mod:[2,0]}})
{ "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"), "emp_id" : 1, "emp_name" : "shreyanshi",
"salary" : 30000, "leave" : 2, "email" : "shreyanshi@gmail.com" }
{ "_id" : ObjectId("61cafba8bcdca7f1ccbb8abb"), "emp_id" : 2, "emp_name" : "avani",
"salary" : 30000, "leave" : 1, "email" : "avani@gmail.com" }
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_id" : 3, "emp_name" : "riya",
"salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cafbb8bcdca7f1ccbb8abd"), "emp_id" : 4, "emp_name" : "shriya",
"salary" : 30000, "leave" : 3, "email" : "shriya@gmail.com" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" : "anjani",
"salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
```

```
{ "_id" : ObjectId("61cafbcfbcdca7f1ccbb8abf"), "emp_id" : 6, "emp_name" : "kajal",
"salary" : 30000, "leave" : 5, "email" : "kajal@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" : "devarsh",
"salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac1"), "emp_id" : 8, "emp_name" : "manasi",
"salary" : 30000, "leave" : 1, "email" : "manasi@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" : "shruti",
"salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" : "krishna",
"salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
```

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

```
--->db.salary.aggregate([ { $match: { salary : { $gt: 35000 } } }, { $group : { _id :
"$emp_name", salary_sum : { $sum : "$salary" } } }])
{ "_id" : "krishna", "salary_sum" : 40000 }
{ "_id" : "shruti", "salary_sum" : 40000 }
```

56. The *state_name* must start with letter "M"

```
--->db.state.find( { state_name: { $regex: 'M.*' } }).pretty();
{
  "_id" : ObjectId("61cafa66bcdca7f1ccbb8aa8"),
  "state_ID" : 103,
  "state_name" : "Maharashtra",
  "country" : "India",
  "capital" : "mumbai",
  "pincode" : 3
}
{
  "_id" : ObjectId("61cafa6ebcdca7f1ccbb8aa9"),
  "state_ID" : 104,
  "state_name" : "Madhya_pradesh",
  "country" : "India",
  "capital" : "bhopal",
  "pincode" : 4
}
```

57. drop any one table

```
--->db.copy_salary.drop()
true
```

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

```
--->db.salary.find({salary:{ $gt: 30000, $lte: 40000}})
{ "_id" : ObjectId("61cafbb2bcdca7f1ccbb8abc"), "emp_id" : 3, "emp_name" : "riya",
"salary" : 31000, "leave" : 2, "email" : "riya@gmail.com" }
{ "_id" : ObjectId("61cafbc3bcdca7f1ccbb8abe"), "emp_id" : 5, "emp_name" : "anjani",
"salary" : 35000, "leave" : 4, "email" : "anjani@gmail.com" }
{ "_id" : ObjectId("61cafbd7bcdca7f1ccbb8ac0"), "emp_id" : 7, "emp_name" : "devarsh",
"salary" : 32000, "leave" : 6, "email" : "devarsh@gmail.com" }
{ "_id" : ObjectId("61cafbe5bcdca7f1ccbb8ac2"), "emp_id" : 9, "emp_name" : "shruti",
"salary" : 40000, "leave" : 0, "email" : "shruti@gmail.com" }
{ "_id" : ObjectId("61cafbecbcdca7f1ccbb8ac3"), "emp_id" : 10, "emp_name" : "krishna",
"salary" : 40000, "leave" : 1, "email" : "krishna@gmail.com" }
```

59. display the total number of state.

```
--->db.state.find().count()
10
```

60.Display all the document which are present in collections.

```
--->db.salary.find({emp_name : "shreyanshi"}).forEach(printjson);
```

```
{  
  "_id" : ObjectId("61cafba1bcdca7f1ccbb8aba"),  
  "emp_id" : 1,  
  "emp_name" : "shreyanshi",  
  "salary" : 30000,  
  "leave" : 2,  
  "email" : "shreyanshi@gmail.com"  
}
```