Special Mongo Queries

Regular Expression

- db.Emp.find({name : {'$regex' : '^' + 'R' + '.*' + 'h$' }})

- db.Emp.find({name : /hu/})

Escape :- \

- db.Emp.find({name : /\//})

Rename Column Name

- SYNTAX :-

This is used to rename the column name of the specific document

db.CollectionName.update({"_id":104},{$rename : {"OLD_NAME" : "New_Name"}})

db.Employees.update({"_id":104},{$rename : {"departmentID" : "deptID"}})

Rename Column Name In All Documents

- SYNTAX :-

This is used to rename the column name for the documents based on the condition

db.CollectionName.update({Condition},{$rename : {"OLD_NAME" : "New_Name"}})

db.Employees.update({"_id": {$gt e : 101}},{$rename : {"departmentID" : "deptID"}},{multi:true})

Rename Collection Name

- SYNTAX :-

This is used to rename the collection name

Steps To Follow :-

 > use db

➢ db.collection.renameCollection(New Name)

➢ db.Employees.renameCollection(emp)

Aggregate Method

- This method is use to perform aggregation on the columns like :-
  - Group Clause
  - Sum
  - Min
  - Max
  - Avg
  - ....

Syntax :
db.Emp.aggregate(

      [

       { $group :

        {"_id": "$deptID","sal" : {$sum:"$salary"}

       }

      ]

)

Aggregate Method For Multiple columns

```
db.Emp.aggregate(
                [
                    {
        "$group": {
            "_id": {
                        "dept": "$deptID",
                        "name": "$name"
            },
            "sal": {
                        "$sum": "$salary"
            }
        }
}]
)
```