#### MongoDB Practical Assignment

Create an Employee collection with mentioned fields Employee
 (eno,ename,salary,desig,dept:{deptno,deptname,location}, project:{pname,hrs})

# db.createCollection('employee');

2. Insert 10 documents in Employee collection →Query

```
db.employee.insertMany([
    eno:1,
    ename:"Prajakta Kamble",
    salary:20000,
    desig:"Developer",
    dept:{
       deptno:111,
       deptname:'IT',
       location:'Pune'
     project:{
       pname: 'artmantis',
       hrs:20
    eno:2,
    ename: "Manjusha Nagpure",
    salary:35000,
     desig:"Developer",
     dept:{
       deptno:111,
       deptname:'IT',
       location:'Pune'
     project:{
       pname: 'artmantis',
       hrs:20
    eno:3,
     ename:"Ankita Karanje",
    salary:20000,
    desig:"Civil Engineer",
     dept:{
       deptno:112,
```

```
deptname:'Civil',
  location:'Pune'
project:{
  pname: 'Construction',
  hrs:100
eno:4,
ename:"Uma Bidkar",
salary:20000,
desig:"Nurse",
dept:{
  deptno:113,
  deptname: 'Dector',
  location:'Pune'
project:{
  pname:'Gynac',
  hrs:20
eno:5,
ename:"Pournima Khengare",
salary:20000,
desig:"Project manager",
dept:{
  deptno:111,
  deptname:'IT',
  location:'Pune'
project:{
  pname:'artmantis',
  hrs:20
eno:6,
ename: "Shubhangi Ghorpade",
salary:20000,
desig: "Civil Engineer",
dept:{
  deptno:112,
  deptname:'Civil',
  location:'Pune'
```

```
project:{
  pname:'Construction',
  hrs:100
eno:7,
ename:"Arpita Yenpure",
salary:20000,
desig: "Civil Engineer",
dept:{
  deptno:112,
  deptname:'Civil',
  location:'Pune'
project:{
  pname:'Construction',
  hrs:100
eno:8,
ename:"Prajakta Kamble",
salary:20000,
desig:"Developer",
dept:{
  deptno:111,
  deptname:'IT',
  location:'Pune'
project:{
  pname: 'artmantis',
  hrs:20
eno:9,
ename:"Akash Sunthaval",
salary:70000,
desig:"Developer",
dept:{
  deptno:111,
  deptname: 'IT',
  location:'Pune'
project:{
  pname: 'artmantis',
  hrs:20
```

```
}
},
{
  eno:10,
  ename:"Vikas Wani",
  salary:60000,
  desig:"Developer",
  dept:{
     deptno:111,
     deptname:'IT',
     location:'Pune'
  },
  project:{
     pname:'artmantis',
     hrs:20
  }
}
```

### Output:

```
acknowledged: true,
insertedIds: {
    '0': ObjectId("657462e74660983211b252e4"),
    '1': ObjectId("657462e74660983211b252e5"),
    '2': ObjectId("657462e74660983211b252e6"),
    '3': ObjectId("657462e74660983211b252e7"),
    '4': ObjectId("657462e74660983211b252e8"),
    '5': ObjectId("657462e74660983211b252e8"),
    '6': ObjectId("657462e74660983211b252e9"),
    '7': ObjectId("657462e74660983211b252ea"),
    '8': ObjectId("657462e74660983211b252eb"),
    '9': ObjectId("657462e74660983211b252ec"),
    '9': ObjectId("657462e74660983211b252ed")
}
```

3. Display all the documents from Employee collection



Query:

## db.employee.find();

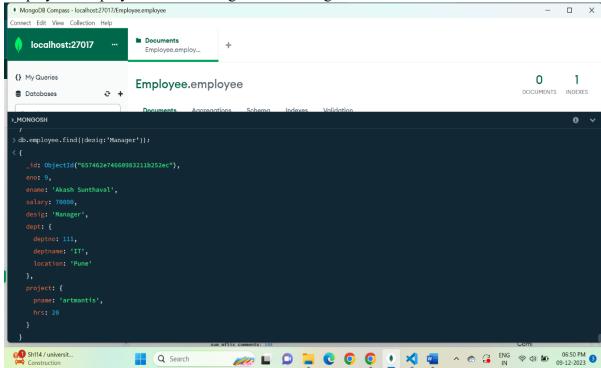
## Output:

4. Display all employees whose name starts with "S"

```
> db.employee.find((ename:/^S/));

{
    _id: ObjectId("657462e74660983211b252e9"),
    eno: 6,
    ename: 'Shubhangi Ghorpade',
    salary: 20000,
    desig: 'Civil Engineer',
    dept: {
        deptno: 112,
        deptname: 'Civil',
        location: 'Pune'
    },
    project: {
        pname: 'Construction',
        hrs: 100
    }
}
Employee>
```

5. Display all Employee with the designation "Manager"



6. Display all employees with salary >50000 and salary

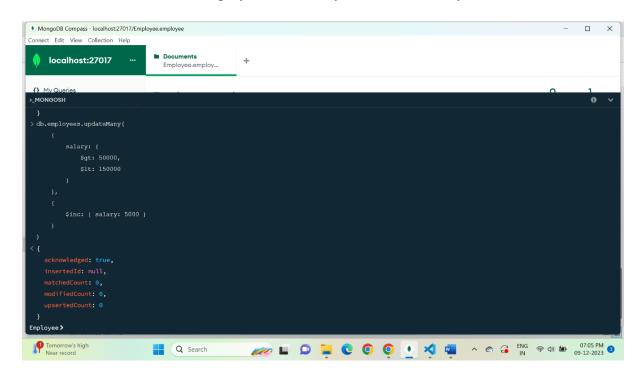
```
db.employee.find({
    salary: {
        $gt: 50000,
        $lt: 80000
    }
}
```

#### Output:

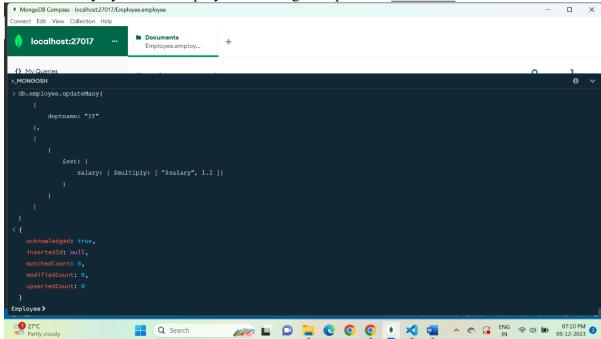
```
{
    "_id": {
        "$oid": "657463d5882bb59f49af932e"
    },
    "eno": 9,
    "ename": "Akash Sunthaval",
    "salary": 70000,
    "desig": "Developer",
    "dept": {
        "deptno": 111,
        "deptname": "IT",
        "location": "Pune"
    },
    "project": {
```

7. Update no. of hrs to 7 for pname=\_\_\_\_\_

8. Add bonus Rs. 5000 for all employees with salary >50000 and salary <150000



9. Increase salary by 20% of employees working in deptname=



10. Remove all employees working on pname=\_

```
> db.employee.deleteMany({pname:"Uma Bidkar"})

< {
    acknowledged: true,
    deletedCount: 0
  }

Employee>
```