## TE IT

Name: Omkar Gurav

Roll No: 8048

Create employee collection in company database and insert at least five documents in employee collection containing eid, ename, disignation, hiredate, salary and city.

```
Command Prompt - mongo
 use company
switched to db company
 db.employee.insertOne({eid:1, ename:"Amit", designation:"Salesman", hiredate:new Date("2017-12-17"),
 .. salary:"20000", city:"Mumbai"})
       "acknowledged" : true,
       "insertedId" : ObjectId("5f97b8ff0fa5f3311c3cf5ad")
 db.employee.insertOne({eid:2, ename:"Sumit", designation:"Salesman", hiredate:new Date("2019-02-01"),
 . salary:"20000", city:"New Delhi"})
       "acknowledged" : true,
       "insertedId" : ObjectId("5f97b91f0fa5f3311c3cf5ae")
 db.employee.insertOne({eid:3, ename:"Ram", designation:"Engineer", hiredate:new Date("2018-05-11"),
 . salary: "40000", city: "Pune"})
       "acknowledged" : true,
       "insertedId" : ObjectId("5f97b93d0fa5f3311c3cf5af")
 db.employee.insertOne({eid:4, ename: "David", designation: "Engineer", hiredate: new Date("2019-07-26"),
 . salary:"40000", city:"Mumbai"})
       "acknowledged" : true,
       "insertedId" : ObjectId("5f97b9530fa5f3311c3cf5b0")
 db.employee.insertOne({eid:5, ename: "Rohan", designation: "Manager", hiredate:new Date("2016-12-04"),
 . salary: "60000", city: "Pune"})
       "acknowledged" : true,
       "insertedId" : ObjectId("5f97b9730fa5f3311c3cf5b1")
```

And execute following queries on company database. (Assume suitable data)

Add three more documents using batch insert commands.

Update the salary of all employee whose city is Pune.

```
👞 Command Prompt - mongo
                                                                                                                                                       db.employee.updateMany({city:"Pune"},{$set:{salary:"70000"}})
"acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
db.employee.find().pretty()
        "_id" : ObjectId("5f97b8ff0fa5f3311c3cf5ad"),
        "eid" : 1,
"ename" : "Amit",
"designation" : "Salesman",
        "hiredate" : ISODate("2017-12-17T00:00:00Z"),
"salary" : "20000",
"city" : "Mumbai"
        "_id" : ObjectId("5f97b91f0fa5f3311c3cf5ae"),
        "eid" : 2,
"ename" : "Sumit",
        "designation" : "Salesman",
        "hiredate" : ISODate("2019-02-01T00:00:00Z"),
"salary" : "20000",
"city" : "New Delhi"
        "_id" : ObjectId("5f97b93d0fa5f3311c3cf5af"),
        "eid" : 3,
"ename" : "Ram",
"designation" : "Engineer",
        "hiredate" : ISODate("2018-05-11T00:00:00Z"),
"salary" : "70000",
"city" : "Pune"
        "_id" : ObjectId("5f97b9530fa5f3311c3cf5b0"),
        "eid" : 4,
"ename" : "David",
        "designation" : "Engineer",
        "hiredate" : ISODate("2019-07-26T00:00:00Z"),
         "_id" : ObjectId("5f97b9730fa5f3311c3cf5b1"),
         "eid" : 5,
         "ename" : "Rohan",
         "designation" : "Manager",
         "hiredate" : ISODate("2016-12-04T00:00:00Z"),
"salary" : "70000",
"city" : "Pune"
         "_id" : ObjectId("5f97c4050fa5f3311c3cf5b2"),
         "eid" : 6,
         "ename" : "Manoj",
         "designation" : "Manager",
         "hiredate" : ISODate("2017-02-04T00:00:00Z"),
"salary" : "60000",
"city" : "Delhi"
         "_id" : ObjectId("5f97c4050fa5f3311c3cf5b3"),
         "eid" : 7,
"ename" : "Ajit",
"designation" : "CFO",
         "hiredate" : ISODate("2015-05-25T00:00:00Z"),
"salary" : "80000",
"city" : "Mumbai"
         "_id" : ObjectId("5f97c4050fa5f3311c3cf5b4"),
         "ename" : "Mukesh",
         "designation" : "CEO",
         "hiredate" : ISODate("2015-01-16T00:00:00Z"),
"salary" : "100000",
"city" : "Delhi"
```

Add the skills of all employee using array concept in MongoDB.

```
"_id" : ObjectId("5f97b8ff0fa5f3311c3cf5ad"),
    "eid" : 1,
    "ename" : "Amit",
    "designation" : "Salesman",
    "hiredate" : ISODate("2017-12-17T00:00:00Z"),
    "salary" : "20000",
    "city" : "Mumbai",
    "skills" : [
              "_id" : ObjectId("5f97b91f0fa5f3311c3cf5ae"),
"eid" : 2,
"ename" : "Sumit",
"designation" : "Salesman",
"hiredate" : ISODate("2019-02-01T00:00:00Z"),
"salary" : "200000",
"city" : "New Delhi",
"skills" : [
                                                "C",
"C++"
               "_id" : ObjectId("5f97b93d0fa5f3311c3cf5af"),
"eid" : 3,
"ename" : "Ram",
                                                                                                                O H 同 🧿 🔚 🗐 💆 🔼
                                                                                                                                                                                                                                                                                                                                                         ^ //. ♣ ■ 4× === ENG 1:10 PM 10/27/2020
   Type here to search
            "C",
"C++",
"Java"
            "_id" : ObjectId("5f97b9530fa5f3311c3cf5b0"),
    "eid" : 4,
    "ename" : "David",
    "designation" : "Engineer",
    "hiredate" : ISODate("2019-07-26T00:00:00Z"),
    "salary" : "40000",
    "city" : "Mumbai",
    "skills" : [
                                              "C++",
"Java"
            "_id" : ObjectId("5f97b9730fa5f3311c3cf5b1"),
"eid" : 5,
"ename" : "Rohan",
"designation" : "Manager",
"hiredate" : ISODate("2016-12-04T00:00:00Z"),
"salary" : "70000",
"city" : "Pune",
"skills" : [
                                              "C",
"Java",
"Python"
```

"\_id" : ObjectId("5f97c4050fa5f3311c3cf5b2"),
"eid" : 6,
"ename" : "Manoj",

Delete all employee from employee collection whose hiredate is 01/02/2019.

Delete skills of all employee whose designation is salesman.

Update the employee skills of employee id is 1 with java and python.

Remove City of all employees whose designation is salesman.

Display all databases present in MongoDB database Management System.

Display all collections that are present in company collection.

```
> show collections
employee
> _
```

Delete skills of employee id is 5 from employee collection.

```
Command Prompt - mongo
                                                                                                                                                  > db.employee.update({eid:5},{$unset:{skills:""}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
 db.employee.find().pretty()
         "_id" : ObjectId("5f97b8ff0fa5f3311c3cf5ad"),
        "eid" : 1,
"ename" : "Amit",
"designation" : "Salesman",
         "Python"
         ]
         "_id" : ObjectId("5f97b93d0fa5f3311c3cf5af"),
         "eid" : 3,
"ename" : "Ram",
"designation" : "Engineer",
         "hiredate" : ISODate("2018-05-11T00:00:00Z"),
"salary" : "70000",
"city" : "Pune",
"skills" : [
                              "C",
"C++",
                              "Java"
         "_id" : ObjectId("5f97b9530fa5f3311c3cf5b0"),
         "eid" : 4,
"ename" : "David",
         "designation" : "Engineer",
 👞 Command Prompt - mongo
                                                                                                                                                  "_id" : ObjectId("5f97b9530fa5f3311c3cf5b0"),
          "designation" : "Engineer",
          "hiredate" : ISODate("2019-07-26T00:00:00Z"),
"salary" : "40000",
"city" : "Mumbai",
"skills" : [
                              "С++",
"Java"
          "_id" : ObjectId("5f97b9730fa5f3311c3cf5b1"),
          "eid" : 5,
"ename" : "Rohan",
          "designation": "Manager",
"hiredate": ISODate("2016-12-04T00:00:00Z"),
"salary": "70000",
"city": "Pune"
```

Update the city of all employees.

## Delete employee collection from company database.

```
Command Prompt - mongo

> db.employee.drop()

true
```