

1. Create a database named Employee. Create a collection named empDetails

You can use any of the fields Name, Age, e_mail, phone, salary

```
> use emp
```

```
switched to db emp
```

```
> use Employee
```

```
switched to db Employee
```

```
> db.createCollection("empdetails");
```

```
{ "ok" : 1 }
```

i) Insert 5 documents in it using the different insert() methods and

```
>
```

```
db.empdetails.insert({"Name":"mohan",Age:23,"email":"mohan@gmail.com",phone:76568950,salary:32000});
```

```
WriteResult({ "nInserted" : 1 })
```

```
>
```

```
db.empdetails.insert({"Name":"bhuvan",Age:23,"email":"bhuvan@gmail.com",phone:76568950,salary:92000});
```

```
WriteResult({ "nInserted" : 1 })
```

```
>
```

```
db.empdetails.insert({"Name":"raju",Age:24,"email":"raju@gmail.com",phone:96568950,salary:92000});
```

```
WriteResult({ "nInserted" : 1 })
```

```
>
```

```
db.empdetails.insert({"Name":"sithara",Age:22,"email":"sithara@gmail.com",phone:96568950,salary:12000});
```

```
WriteResult({ "nInserted" : 1 })
```

```
>
```

```
db.empdetails.insert({"Name":"swetha",Age:22,"email":"swetha@gmail.com",phone:96565950,salary:16000});
```

```
WriteResult({ "nInserted" : 1 })
```

a) Find the details of employee whose name is mohan

```
> db.empdetails.find({Name:"mohan"});
```

```
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "Age" : 23, "email" : "mohan@gmail.com", "phone" : 76568950, "salary" : 32000 }
```

b) Fetch the documents of employees whose salary >=5000

```
> db.empdetails.find({Age:{>:50000}});
```

```
> db.empdetails.find({salary:{>:50000}});
```

```
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "Age" : 23, "email" : "bhuvan@gmail.com", "phone" : 76568950, "salary" : 92000 }
```

```
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" : "raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
```

c) Find the documents of employees whose name starts with letter r

```
> db.empdetails.find({Name:/^r/});
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" :
"raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
```

d) Find the documents of employees whose name is not in mohan , raju, bhuvan

```
> db.empdetails.find({Name:{$nin:["mohan","ram","bhuvan"]}});
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" :
"raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
{ "_id" : ObjectId("629adabb5983f0df59580db6"), "Name" : "sithara", "Age" : 22, "email" :
"sithara@gmail.com", "phone" : 96568950, "salary" : 12000 }
{ "_id" : ObjectId("629adae05983f0df59580db7"), "Name" : "swetha", "Age" : 22, "email" :
"swetha@gmail.com", "phone" : 96565950, "salary" : 16000 }
```

e) Find the documents of employees whose names are mohan , raju, bhuvan

```
> db.empdetails.find({Name:{$in:["mohan","ram","bhuvan"]}});
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "Age" : 23, "email" :
"mohan@gmail.com", "phone" : 76568950, "salary" : 32000 }
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "Age" : 23, "email" :
"bhuvan@gmail.com", "phone" : 76568950, "salary" : 92000 }
```

f) Retrieve the details of employees whose age is less than 30. Display only the fields name, salary

```
> db.empdetails.find({Age:{$lt:30}}, {Name:1, salary:1});
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "salary" : 32000 }
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "salary" : 92000 }
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "salary" : 92000 }
{ "_id" : ObjectId("629adabb5983f0df59580db6"), "Name" : "sithara", "salary" : 12000 }
{ "_id" : ObjectId("629adae05983f0df59580db7"), "Name" : "swetha", "salary" : 16000 }
```

g) Find the details of employees whose salary is >5000 and age is < 30

```
> db.empdetails.find({$and:[{Age:{$lt:30}}, {salary:{$gt:5000}}]});
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "Age" : 23, "email" :
"mohan@gmail.com", "phone" : 76568950, "salary" : 32000 }
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "Age" : 23, "email" :
"bhuvan@gmail.com", "phone" : 76568950, "salary" : 92000 }
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" :
"raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
{ "_id" : ObjectId("629adabb5983f0df59580db6"), "Name" : "sithara", "Age" : 22, "email" :
```

```
"sithara@gmail.com", "phone" : 96568950, "salary" : 12000 }
{ "_id" : ObjectId("629adae05983f0df59580db7"), "Name" : "swetha", "Age" : 22, "email" :
"swetha@gmail.com", "phone" : 96565950, "salary" : 16000 }
```

```
h) Update the e-mail of employee whose name is mohan // findOneAndUpdate()
> db.empdetails.update({Name:"mohan"},{$set:{email:"mohan@gmail.com"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 0 })
> db.empdetails.update({Name:"mohan"},{$set:{email:"neil@gmail.com"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.empdetails.find();
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "Age" : 23, "email" :
"neil@gmail.com", "phone" : 76568950, "salary" : 32000 }
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "Age" : 23, "email" :
"bhuvan@gmail.com", "phone" : 76568950, "salary" : 92000 }
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" :
"raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
{ "_id" : ObjectId("629adabb5983f0df59580db6"), "Name" : "sithara", "Age" : 22, "email" :
"sithara@gmail.com", "phone" : 96568950, "salary" : 12000 }
{ "_id" : ObjectId("629adae05983f0df59580db7"), "Name" : "swetha", "Age" : 22, "email" :
"swetha@gmail.com", "phone" : 96565950, "salary" : 16000 }
```

```
i) Delete all the documents of employees whose age>56
> db.empdetails.update({Name:"mohan"},{$set:{Age:57}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.empdetails.find();
{ "_id" : ObjectId("629ada2a5983f0df59580db3"), "Name" : "mohan", "Age" : 57, "email" :
"neil@gmail.com", "phone" : 76568950, "salary" : 32000 }
{ "_id" : ObjectId("629ada665983f0df59580db4"), "Name" : "bhuvan", "Age" : 23, "email" :
"bhuvan@gmail.com", "phone" : 76568950, "salary" : 92000 }
{ "_id" : ObjectId("629ada965983f0df59580db5"), "Name" : "raju", "Age" : 24, "email" :
"raju@gmail.com", "phone" : 96568950, "salary" : 92000 }
{ "_id" : ObjectId("629adabb5983f0df59580db6"), "Name" : "sithara", "Age" : 22, "email" :
"sithara@gmail.com", "phone" : 96568950, "salary" : 12000 }
{ "_id" : ObjectId("629adae05983f0df59580db7"), "Name" : "swetha", "Age" : 22, "email" :
"swetha@gmail.com", "phone" : 96565950, "salary" : 16000 }
```