

Dbms Practical 9 Program Code:

```
db.createCollection("library");
db.library.insert({"bid": 1, "name": "C++"});
db.library.insert({"bid": 2, "name": "Python for beginners"});
db.library.insert({"bid": 3, "name": "Learn Java"});
db.library.find();
db.library.updateOne({"name": "Learn Java"}, {$set: {"name": "Java"}})
db.library.find();
db.library.remove({"bid": 1});
db.library.find({"name": "Java"})
db.library.insert({"bid": 4, "name": "Java", "desc": "fake book"});
db.library.find();
```

MongoDB Logical Operators

```
db.library.find({$and:[{"name": "Java"}, {"desc": "fake book"}]})
db.library.insertMany([
  { title: "Book A", cost: 80 },
  { title: "Book B", cost: 120 },
  { title: "Book C", cost: 200 }
]);
```

```
db.library.find({$or:[{"name": "Java"}, {"desc": "fake book"}]}).pretty()
db.library.find({$or:[{"name": "Java"}, {"name": "Python for beginners"}]}).pretty()
db.library.find({$or:[{cost: {$gte: 125}}, {title: "Book B"}]});
db.library.find({ cost: { $not: { $gte: 320 } } });
```

```
db.library.find({$nor: [ { cost: { $gte: 1000 } }, { bid: 5 } ]});
```

MongoDB Comparison Operators

```
db.library.find({ cost: { $eq: 80 } });
```

```
db.library.find({ cost: { $ne: 1000 } });
```

```
db.library.find({ cost: { $gte: 800 }, bid: { $lte: 10 } });
```

```
db.library.find({cost:{$gt:100}});
```

```
db.library.find({ cost: { $lt: 500 } });
```

```
db.library.find({ cost: { $lte: 500 } });
```

```
db.library.find({ cost: { $gte: 100 } }).pretty();
```

```
db.library.find({"cost":{$in:[100,200,300,500]}})
```

```
db.library.find({"cost":{$nin:[100,200,300,500]}})
```

save() Method:

```
db.library.insertOne({bid: 8,name:"pikachu",cost:320});
```

```
db.library.updateOne(  
  { _id: ObjectId("68ad4258329f90b65489b041") }, // find by _id  
  {  
    $set: {  
      bid: 8,  
      name: "pikachu",  
      cost: 320  
    }  
  },  
  { upsert: true } // insert if not found  
);
```

