


MONGODB PROJECT

BASIC SECTION

Data set

```
{
  _id:1,
  firstName: "Harshitha ",
  lastName: "URS",
  email: "Harshitha@abc.com",
  salary: 5000,
  skills: [ "Angular", "React", "MongoDB" ]
}
{
  _id:2,
  firstName: "Sachin",
  lastName: "T",
  email: "sachin.t@abc.com",
  salary: 8000,
  skills: [ "Accounting", "Tax" ]
}
{
  _id:3,
  firstName: "Ajay",
  lastName: "kumar",
  email: "Ajay@abc.com",
```

```
salary: 7500,  
skills: [ "Sales", "Marketing" ]  
}  
{  
  _id:4,  
  firstName: "Hemanth",  
  lastName: "Gowda",  
  email: "steve.j@abc.com",  
  salary: 7000,  
  skills: [ "Mac", "Marketing", "Product Design" ]  
}  
{  
  _id:5,  
  firstName: "Kapil",  
  lastName: "Sharma",  
  email: "kapil.d@abc.com",  
  salary: 4500,  
  skills: [ "Accounting", "Tax", "Sales" ]  
}  
{  
  _id:6,  
  firstName: "Amitabh",  
  lastName: "B",  
  email: "amitabh.b@abc.com",  
  salary: 7000,  
  skills: [ "Marketing", "Tax" ]  
}
```



```
>use basic
```

```
>db.employees.insertMany([
```

```
{
  _id: 1,
  firstName: "Harshitha",
  lastName: "URS",
  email: "Harshitha@abc.com",
  salary: 5000,
  skills: ["Angular", "React", "MongoDB"]
},
{
  _id: 2,
  firstName: "Sachin",
  lastName: "T",
  email: "sachin.t@abc.com",
  salary: 8000,
  skills: ["Accounting", "Tax"]
},
{
  _id: 3,
  firstName: "Ajay",
  lastName: "kumar",
  email: "Ajay@abc.com",
  salary: 7500,
  skills: ["Sales", "Marketing"]
},
```

```
{
```



```
_id: 4,
firstName: "Hemanth",
lastName: "Gowda",
email: "steve.j@abc.com",
salary: 7000,
skills: ["Mac", "Marketing", "Product Design"]
},
{
  _id: 5,
  firstName: "Kapil",
  lastName: "Sharma",
  email: "kapil.d@abc.com",
  salary: 4500,
  skills: ["Accounting", "Tax", "Sales"]
},
{
  _id: 6,
  firstName: "Amitabh",
  lastName: "B",
  email: "amitabh.b@abc.com",
  salary: 7000,
  skills: ["Marketing", "Tax"]
}
]);
```

```
JS use ('basic'); c:\Users\Prabha\playground-2.mongodbs
Connected to localhost:27017
1 use ('basic');
2
3 db.employees.insertMany([
4   {
5     _id: 1,
6     firstName: "Harshitha",
7     lastName: "URS",
8     email: "Harshitha@abc.com",
9     salary: 5000,
10    skills: ["Angular", "React", "MongoDB"]
11  },
12  {
13    _id: 2,
14    firstName: "Sachin",
15    lastName: "T",
16    email: "sachin.t@abc.com",
17    salary: 8000,
18    skills: ["Accounting", "Tax"]
19  }
20 ])
```

```
Playground Result
1 {
2   "acknowledged": true,
3   "insertedIds": {
4     "0": 1,
5     "1": 2,
6     "2": 3,
7     "3": 4,
8     "4": 5,
9     "5": 6
10  }
11 }
```

1) Query to Update Whose Salary=7000 To Salary=8500

>db.employees.updateMany({ salary: 7000 }, { \$set: { salary: 8500 } });

```
JS use ('basic'); c:\Users\Prabha\playground-2.mongodbs
Connected to localhost:27017
1 use ('basic');
2 db.employees.updateMany({ salary: 7000 }, { $set: { salary: 8500 } });
```

```
Playground Result
1 {
2   "acknowledged": true,
3   "insertedId": null,
4   "matchedCount": 2,
5   "modifiedCount": 2,
6   "upsertedCount": 0
7 }
```

2) Query to Update Location='Mumbai' Whose Firstname is Amitabh

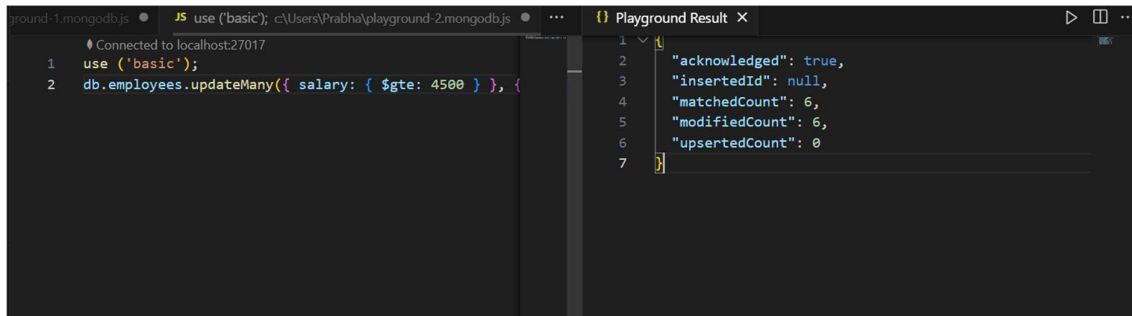
>db.employees.updateOne({ firstName: "Amitabh" }, { \$set: { location: "Mumbai" } });

```
JS use ('basic'); c:\Users\Prabha\playground-2.mongodbs
Connected to localhost:27017
1 use ('basic');
2 db.employees.updateOne({ firstName: "Amitabh" }, { $set: { location: "Mumbai" } });
```

```
Playground Result
1 {
2   "acknowledged": true,
3   "insertedId": null,
4   "matchedCount": 1,
5   "modifiedCount": 1,
6   "upsertedCount": 0
7 }
```

3) Query to Increment Salary By 5000 If Salary >= 4500

```
>db.employees.updateMany({ salary: { $gte: 4500 } }, { $inc: { salary: 5000 }
});
```

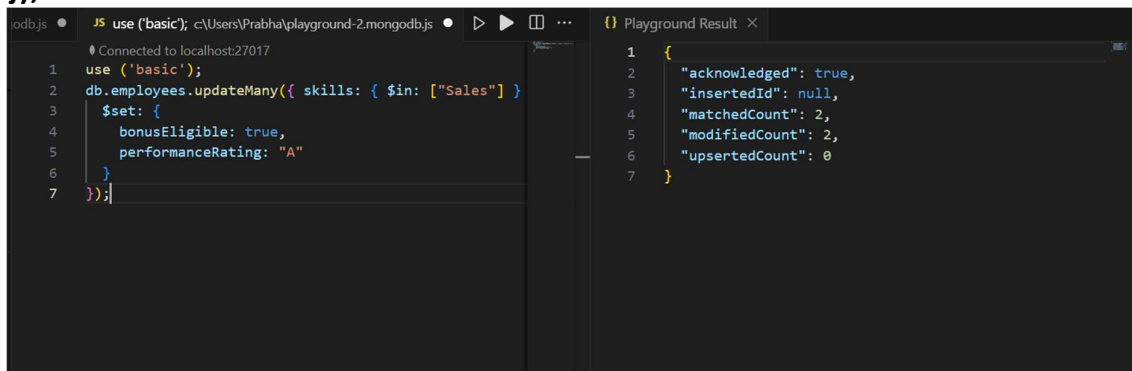


```
1 use ('basic');
2 db.employees.updateMany({ salary: { $gte: 4500 } }, {
3   $inc: { salary: 5000 }
4 });
```

```
1 {
2   "acknowledged": true,
3   "insertedId": null,
4   "matchedCount": 6,
5   "modifiedCount": 6,
6   "upsertedCount": 0
7 }
```

4) Query/Demonstrate Use of UpdateMany to Update Multiple Fields

```
>db.employees. updateMany({ skills: { $in: ["Sales"] } }, {
  $set: {
    bonusEligible: true,
    performanceRating: "A"
  }
});
```



```
1 use ('basic');
2 db.employees.updateMany({ skills: { $in: ["Sales"] } }, {
3   $set: {
4     bonusEligible: true,
5     performanceRating: "A"
6   }
7 });
```

```
1 {
2   "acknowledged": true,
3   "insertedId": null,
4   "matchedCount": 2,
5   "modifiedCount": 2,
6   "upsertedCount": 0
7 }
```