

BDA LAB-2(1BM23CS369)

```
test> use Employee
switched to db Employee
Employee> db.createCollection("Employee_Info")
{ ok: 1 }
Employee> db.Employee_Info.insertMany([
...   {
...     _id: 121,
...     Emp_Name: "Alice",
...     Designation: "Software Engineer",
...     Date_of_Joining: ISODate("2020-06-15"),
...     Salary: 75000,
...     Dept_Name: "IT"
...   },
...   {
...     _id: 122,
...     Emp_Name: "Bob",
...     Designation: "Senior Engineer",
...     Date_of_Joining: ISODate("2019-03-10"),
...     Salary: 90000,
...     Dept_Name: "R&D"
...   },
...   {
...     _id: 123,
...     Emp_Name: "Charlie",
...     Designation: "Manager",
...     Date_of_Joining: ISODate("2018-01-20"),
...     Salary: 105000,
...     Dept_Name: "HR"
...   }
... ])
...
{ acknowledged: true, insertedIds: { '0': 121, '1': 122, '2': 123 } }
```

```
Employee> db.Employee_Info.updateOne(  
...   { _id: 121 },  
...   {  
...     $set: {  
...       Emp_Name: "Alice Johnson",  
...       Dept_Name: "Engineering"  
...     }  
...   }  
... )  
...  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0  
}  
Employee> db.Employee_Info.find().sort({ Salary: 1 })  
[  
  {  
    _id: 121,  
    Emp_Name: 'Alice Johnson',  
    Designation: 'Software Engineer',  
    Date_of_Joining: ISODate('2020-06-15T00:00:00.000Z'),  
    Salary: 75000,  
    Dept_Name: 'Engineering'  
  },  
  {  
    _id: 122,  
    Emp_Name: 'Bob',  
    Designation: 'Senior Engineer',  
    Date_of_Joining: ISODate('2019-03-10T00:00:00.000Z'),  
    Salary: 90000,  
    Dept_Name: 'R&D'  
  },  
  {  
    _id: 123,  
    Emp_Name: 'Charlie',  
    Designation: 'Manager',  
    Date_of_Joining: ISODate('2018-01-20T00:00:00.000Z'),  
    Salary: 105000,  
    Dept_Name: 'HR'  
  }  
]
```

```
Employee> db.Employee_Info.find().sort({ Salary: -1 })
[
  {
    _id: 123,
    Emp_Name: 'Charlie',
    Designation: 'Manager',
    Date_of_Joining: ISODate('2018-01-20T00:00:00.000Z'),
    Salary: 105000,
    Dept_Name: 'HR'
  },
  {
    _id: 122,
    Emp_Name: 'Bob',
    Designation: 'Senior Engineer',
    Date_of_Joining: ISODate('2019-03-10T00:00:00.000Z'),
    Salary: 90000,
    Dept_Name: 'R&D'
  },
  {
    _id: 121,
    Emp_Name: 'Alice Johnson',
    Designation: 'Software Engineer',
    Date_of_Joining: ISODate('2020-06-15T00:00:00.000Z'),
    Salary: 75000,
    Dept_Name: 'Engineering'
  }
]
Employee> Projects: ["Project A", "Project B"]
[ 'Project A', 'Project B' ]
Employee> db.Employee_Info.updateOne(
...   { _id: 121 },
...   {
...     $set: {
...       Projects: ["Payroll System", "Inventory App"]
...     }
...   }
... )
...
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
Employee> db.Employee_Info.find().pretty()
[
  {
    _id: 121,
    Emp_Name: 'Alice Johnson',
    Designation: 'Software Engineer',
    Date_of_Joining: ISODate('2020-06-15T00:00:00.000Z'),
    Salary: 75000,
    Dept_Name: 'Engineering',
    Projects: [ 'Payroll System', 'Inventory App' ]
  },
  {
    _id: 122,
    Emp_Name: 'Bob',
    Designation: 'Senior Engineer',
    Date_of_Joining: ISODate('2019-03-10T00:00:00.000Z'),
    Salary: 90000,
    Dept_Name: 'R&D'
  },
  {
    _id: 123,
    Emp_Name: 'Charlie',
    Designation: 'Manager',
    Date_of_Joining: ISODate('2018-01-20T00:00:00.000Z'),
    Salary: 105000,
    Dept_Name: 'HR'
  }
]
```