BDA Lab 2

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CI batch
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1BM17CS115

- use company
- db.createCollection("Employee")
- db.createCollection("Department")

1. Inserting 5 document in each collection

- db.Employee.insert([{_id:01, DepartmentNo:"1001", Name:"Ram", Age:"20", Salary:"25000"},
{_id:02, DepartmentNo:"1002", Name:"Sham", Age:"33", Salary:"35000"}])

- db.Employee.update({id:03, DepartmentNo:"1003", Name:"Sita", Age:"25"},
{$set:{salary:"30000"}},
{upsert:true})

- db.Employee.update({_id:01, DepartmentNo:"1001", Name:"Ram", Age:"20"},
{$set:{Salary:"40000"}},
{upsert:false})

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- db.Employee.save ({ _id : 05,
DepartmentNo : "1005"
Name : Govind "
Age : "55"
Salary : "70000" })

- db.Department.insert ([{ _id : 1,
Name : "CSE",
Employees : 20,
DepartmentNo : "1001" },
{ _id : 2,
Name : "ECE",
Employees : 15,
DepartmentNo : "1002" }])

- db.Department.update ({ _id : 3,
Name : "ISE",
Employees : 21 },
{ $set : { DepartmentNo: "1003" } },
{ upsert : true })

- db.Department.update ({ _id : 2,
Name : "ECE",
Employees : 15 },
{ $set : { DepartmentNo : "1004" } },
{ upsert : false })

- db.Department.update ({ _id : 4, Name: "Mechanical",
Employees : 30 },
{ $set : { DepartmentNo : "1004" } },
{ upsert : true })

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- db.Department.save({_id:5,
Name:"Civil",
Employees:18,
DepartmentNo:"1005"})

2. Update "Employee" collection to add new field.

- db.Employee.update({_id:1, Name:"Ram"},
{$set:{Hobbies:"Chess"}},
{upsert:true})

3. Remove a field

- db.Employee.update({_id:1, Name:"Ram"},
{$unset:{Hobbies:"Chess"}},
{upsert:true})

4. Select all documents

- db.Employee.find({});
- db.Department.find({});

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5. Select only employee name and departmentNo falls between 1001 to 1005

```
- db.Employee.find({DepartmentNo:{$gt:"1000",
                                  $lt:1006}},
                   {Name:true,
                    DepartmentNo:true})
```

6. Select Employee document whose name begin with 'A'

```
- db.Employee.find({Name:{$regex:"^A"}})
```

7. Select employee document whose age is greater than 30

```
- db.Employee.find({Age:{$gt:"30"}}),
```