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Date: 29/9/2021

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BDA LAB-2

- Q7 Create Company database with is Employee & Dept
Collections Creating database
> use Company

Creating Collections

- > db.createCollection("Employee")
- > db.createCollection("Department")

- 1) Insert document using 3 methods of insertion.

a) Using Insert:

- > db.Employee.insert({_id: 1, empName: "abc", dept: "Software", dept no: 1001, mobile: "1234567", email: "abc@gmail.com"})

b) Using Save

- > db.Employee.save({_id: 2, empName: "gfi", dept: "Hardware", dept no: 1003, mobile: "12567", email: "gfi@gmail.com"})

c) Using update (upsert: true)

- > db.Employee.update({_id: 3, empName: "ksm", dept: "Hardware", dept no: 1004, email: "ksm@gmail.com"}, { \$set: {mobile: "7543"} }, { upsert: true });

d) Using update (upsert: false)

- > db.Employee.update({_id: 2, empName: "gfi"}, { \$set: {dept: "Software"} }, { upsert: false });

similar for other collections also

2> Update Employee to add new field

```
> db.Employee.update [{}, { $set: { location: "Bengaloor" },  
  { multi: true } }];
```

3> Remove a field from existing document

```
> db.Employee.update [{ _id: 3 }, { $unset: { email:  
  "kim@gmail.com" } }];
```

4> Select all documents from both collections

```
> db.employee.find({})
```

```
> db.department.find({})
```

5> Employees name & dept no where dept number falls between 1001 to 1005

```
> db.Employee.find ({ dept no: { $in: [1002, 1003, 1004] } },  
  { empName: 1, dept no: 1, -id: 0 });
```

6> Select docs whose name begins with 'A'

```
> db.Employee.find ({ empName: /^A/ });
```

7> Age > 30

```
> db.employee.find ({ Age: { $gt: 30 } });
```