

SHREYAS K  
IBM17CS098  
BDA LAB  
05/10/2020

classmate

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1. Creation of collections:

```
db.createCollection("Employee");  
db.createCollection("Department");
```

Insert:

2. 

```
db.Employee.insert({_id: "1001", name: "Shreyas", age: 21, gender: "Male", dept_id: "1001", "CSE"});
```

```
db.Department.insert({_id: "1001", name: "CSE", hod: "2", strength: 140, email: "cseoffice@bmsce.ac.in"});
```

Operations:

✱ ✱ ✱ update employee collection to add new field:

```
db.Employee.update({_id: "CS098"}, {$set: {subject: "BDA"}});
```

✱ ✱ ✱ Remove a field from existing document:

```
db.Employee.update({_id: "CS098"}, {$unset: {subject: "BDA"}});
```

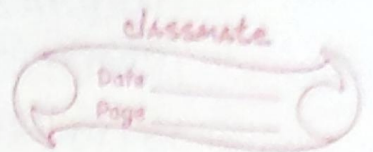
✱ Select all documents from both collections:

```
db.Employee.find({});
```

```
db.Department.find({});
```



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- \* select emp\_name & dept\_number whose dept. number falls between 1001 to 1005.  
db.Employee.find({ ~~dept~~ dept\_id: { \$gt: "1001", \$lt: "1005" } }, { name: 1, ~~dept\_id~~ dept\_id: 1 });
- \* select emp\_docs whose name begins with 'A'.  
db.Employee.find({ name: /^A/ });
- \* select employe whose age > 30  
db.Employee.find({ age: { \$gt: 30 } });

### Inserting documents:

db.Employee.insertOne({ \_id: 2, name: "Varun", age: 27, gender: "Male", dept\_id: 1001 });

db.Employee.insertMany({ \_id: 3, name: "Arun", age: 20, gender: "Male", dept\_id: 1002 },  
{ \_id: 4, name: "Tann", age: 25, gender: "Male", dept\_id: 1003 });



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```
db. Department. save insertOne ({ _id: 1, 1002,  
name: "ECE", hod: 3, strong email: "eceoffice@bmsce.ac.in" });
```

```
db. Department. insertMany ({ _id: 1003, name:  
"EEE", hod: 4, email: "eeceoffice@bmsce.ac.in" },  
{ _id: 1004, name: "ISE", hod: 5, email:  
"iseoffice@bmsce.ac.in" });
```

```
db. Employee. save ({ _id: 5, name: "TaranM",  
age: 22, gender: "Male", dept_id: 1004 });
```

~~db. Employee.~~

~~db. Department.~~

```
db. Employee. update ({ _id: 2, name: "Vann",  
{ $set: { dept_id: 1005 }, {upset: true } });
```

```
db. Department. update ({ _id: 1005, name: "ME",  
{ $set: { email: "me@bmsce.ac.in" }, {upset: true } });
```