

IBM17C5011 , Kedar Shetty.

1) (i) Employee.

> use company.

> db.createCollection ("employee")

```
> db.employee.insert ({  
  "name": "Gopal Praphe",  
  "e-id": "BE267",  
  "age": 29,  
  "gender": "male",  
  "department_id": 1001  
});
```

(ii) Department

> db.createCollection ("department");

```
> db.department.insert ({  
  "name": "Software Development",  
  "department_id": 1002,  
  "head_id": "BE658",  
  "members-strength": 26,  
  "second-head": "BE690"  
});
```

Operations:

2) Update employee collection to add a new field to an existing document

```
> db.employee.update({e_id: "BE677"}, {$set: {expertise: "Machine Learning"}});
```

3) Remove ~~add~~ field from an existing document.

```
> db.employee.update({e_id: "BE677"}, {$unset: {expertise: 1}});
```

4) Select all documents from both collection.

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

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

5) Select only employee names & department number whose department falls in 1001 to 1005.

```
> db.employee.find({ $and: [ { department_id: { $gt: 1000,
```

```
{ department_id: { $lt: 1005 } } ] }, { name: 1,
```

```
department_id: 1 } )
```

Teacher's Signature : \_\_\_\_\_

c) Begin with A.

> db.employee.find({ name: /^A/ })

7) Age greater than 30.

> db.employee.find({ age: { \$gt: 30 } })