

Create Company database with following collections

- 1) Employee
- 2) Department

Perform following MongoDB Operations

- 1) Insert atleast 5 documents in each collection using all three methods of insertion
- 2) Update "Employee" to add a new field to an existing document.
- 3) Remove a field from a document
- 4) Select all documents from both collections
- 5) Select only employee name and department number whose department number falls between 1001 to 1005.
- 6) Select employee documents whose name begins with 'A'
- 7) Select documents whose age > 30.

Use Company

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

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

- 1) 

```
db.Employee.insert({id:1, Name:"John", department:"CSE", age:31, sex:"M"})
```
- ```
db.Employee.insertOne({id:2, Name:"Mary", department:"ISE", age:22, sex:"F"})
```
- ```
db.Employee.insertMany([{id:3, Name:"Anne", department:"ME", age:40, sex:"F"}])
```

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```
{ id: 4, Name: "Frank", department: "CSE", age: 30,  
sex: "M" }
```

```
db.Department.insert({ id: 2, departmentName: "CSE",  
department num: 1001 })
```

```
db.Department.insertOne({ id: 1, departmentName: "ISE",  
department num: 1000 })
```

```
db.Department.insertMany({ id: 3, departmentName: "ME",  
department num: 1002 },
```

```
{ id: 4, departmentName: "IM", department num: 1003 },
```

```
{ id: 5, departmentName: "ME", department num: 1004 })
```

## 2) Update

```
db.Employee.update({ id: 1, Name: "John" },  
{ $set: { Email: "john123@gmail.com" },  
upsert: true })
```

## 3) Remove

```
db.Employee.update({ id: 1, Name: "John" },  
{ $unset: { Email: "john123@gmail.com" },  
upsert: true })
```

## 4) Select all

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

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

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5)

db.Employee.find({departmentnum:{ \$gt:"1000",  
"\$lt":100533}, & Name:true, departmentnum:true});

6) db.Employee.find({Name:{ \$regex:"^A"}})

7) db.Employee.find({"age":{ "\$gt":30}});

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