Big Data Analytics Lab-2

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1BM17CS114

Q1. Create company database with following collections.

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

Q2.
```
db.employee.insert ({id:1 , "Name": "Raghav", department:
                     "CSE","age": 21 , "usn" : "1BM17CS001" })
```

```
                    save
db.employee.insertOne ({id:2 "Name": "Rajeev", department:
                       "ECE", "age":20 , "usn" : "1BM17EC107"})
```

```
db.employee.insertMany ({id:3, "Name" "Rajesh", department:
                        "MECH", "age":21 , "usn" : "1BM17MH17" }}
                        { id:4 , "Name" :"Ranbir", department:
                        "BT", "age" :21 , "usn": "1BM17BT056" }):
```

```
db.employee.update ({id:5, "Name" "Rakesh", department:
                    "CIVIL" "age": 21} save (1BM17CV0099 })
                    { $set: {"usn": "1BM17CV0099" }, {upsert: true })
```

```
db.department.insert ({id:1 , "name": "cse" , "phone":
                      436529899 })
```

```
db.department.insertOne ({id:1 ,"name":"ece". "phone":
                  save       236599799})
```

```
db.department.InsertMany ({id:3 , "name": "civil" , "phone":
                          1234 56 78 }
                 {id: 4 , "name" : "mech", "phone" :
                          77428553 } ):
db. department. update({id: 5, "name" : "Biotech" }*phone:
                          2541145 28)
                 {$set : {phone : 25411452 } },
                 {upsert: true });
```

③ Remove

```
db. Employee. update ({ id:1 , name: "Raghav" }
                 { $unset : { "hobbies" : "Reading" } },
                 { upsert: true });
```

④ Select all

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

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

⑤
```
db. Employee. find ({departmentno : { $gt: 1000, $lt:
                     1005}, { Empname: true,
                     departmentno: true })
```

⑥
```
db. Employee. find ({ empName : { $regex: "^A"}})
```

⑦
```
db. Employee. find ({ Name : { $gt : 30 }})
```