Output

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

#inserting Employee
db.employee.insert({_id:1,name:"Bhaskar",dept:"HR",age:34,experience:5,email:"bhas@gmail.com",d_no:1000});
db.employee.insert({_id:2,name:"Bhavya",dept:"Manager",age:29,experience:5,email:"bhav@gmail.com",d_no:1010});
db.employee.update({_id:3,name:"Krishna",dept:"Technical",age:26,experience:3},{$set:{email:"kri@gmail.com",d_no:1001}},{upsert:true});

db.employee.update({_id:4,name:"Varshitha",dept:"Technical",age:26,experience:3},{$set:{email:"var@gmail.com",d_no:1000}},{upsert:true});
db.employee.update({_id:4,name:"Varshitha",dept:"Technical",age:26,experience:3},{$set:{email:"varshitha@gmail.com",d_no:1000}},{upsert:false});
db.employee.save({_id:5,name:"Amal", dept:"Technical",age:30,experience:3,email:"amal@gmail.com",d_no:1000});
```

```
#inserting Department
db.Department.insert({_id:1, d_no:1001,name:"Technical",total_count:30});
db.Department.insert({_id:2, d_no:1002,name:"Non Technical",total_count:10});
db.Department.update({_id:3,d_no:1000,name:"HR"},{$set:{total_count:5}},{upsert:true});
db.Department.update({_id:4,d_no:1004,name:"CEO"},{$set:{total_count:1}},{upsert:true});
db.Department.update({_id:3,d_no:1000,name:"HR"},{$set:{total_count:3}},{upsert:false});
db.Department.save({_id:5,d_no:1010,name:"Manager",total_count:5});
```
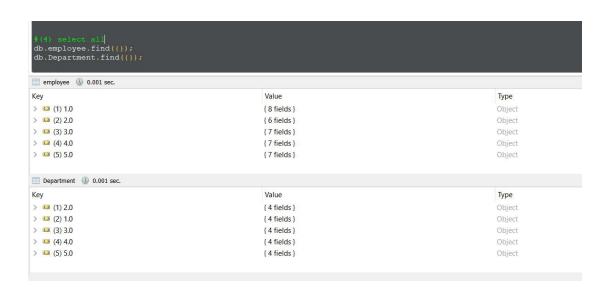
```
#(2) inserting one more attribute
db.employee.update({_id:1},{$set:{address:"Banglore"}});
```
0.003 sec.

Updated 1 existing record(s) in 3ms

```
# (3) removing
db.employee.update({_id:2},{$unset:{experience:5}},{upsert:true});
```
0.002 sec.

Updated 1 existing record(s) in 2ms

```
#(4) select all
db.employee.find({});
db.Department.find({});
```

employee 🕐 0.001 sec.

Key	Value	Type
> 🔲 (1) 1.0	{ 8 fields }	Object
> 🔲 (2) 2.0	{ 6 fields }	Object
> 🔲 (3) 3.0	{ 7 fields }	Object
> 🔲 (4) 4.0	{ 7 fields }	Object
> 🔲 (5) 5.0	{ 7 fields }	Object

Department 🕐 0.001 sec.

Key	Value	Type
> 🔲 (1) 2.0	{ 4 fields }	Object
> 🔲 (2) 1.0	{ 4 fields }	Object
> 🔲 (3) 3.0	{ 4 fields }	Object
> 🔲 (4) 4.0	{ 4 fields }	Object
> 🔲 (5) 5.0	{ 4 fields }	Object

```
#(5)
db.employee.find({d_no:{"$gt":1000,"$lt":1010}},{_id:0,name:true,d_no:true});
```

employee 🕐 0.002 sec.

Key	Value	Type
∨ 🔲 (1)	{ 2 fields }	Object
name	Krishna	String
d_no	1001.0	Double

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

Employee 🕐 0.002 sec.

Key	Value	Type
∨ 🔲 (1) 6.0	{ 6 fields }	Object
_id	6.0	Double
name	Amal	String
dept	Technical	String
age	30.0	Double
experience	3.0	Double
email	amal@gmail.com	String

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

Employee   🕐 0.001 sec.

Key	Value	Type
⌄ 🗃 (1) 1.0	{ 7 fields }	Object
🔢 _id	1.0	Double
🔠 name	Bhaskar	String
🔠 dept	Human Resource	String
🔢 age	34.0	Double
🔢 experience	5.0	Double
🔠 email	bhas@gmail.com	String
🔠 address	Banglore	String