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Select Command Prompt - mongo
{ "_id" : "2", "dept" : "1002" }
> use company1
switched to db company1
> use company2
switched to db company2
> db.createCollection("Department");
{ "ok" : 1 }
> db.createCollection("Employee");
{ "ok" : 1 }
> db.Employee.insert({_id:"01",name:"Priyanka",dept:"1001",age:"32",salary:"30000"});
WriteResult({ "nInserted" : 1 })
> db.Employee.insertMany([({_id:"02",name:"Jamuna",dept:"1002",age:"40",salary:"30000"},({_id:"03",name:"Amar",dept:"1007",age:"28",salary:"60000"},({_id:"04",name:"Ashish",dept:"1007",age:"28",salary:"20000"})]);
{ "acknowledged" : true, "insertedIds" : [ "02", "03", "04" ] }
> db.Employee.update({_id:"05",name:"shankar",dept:"1008",age:"32",salary:"80000"},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0 })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",
  "dept" : "1001",
  "age" : "32",
  "salary" : "30000"
}
{
  "_id" : "02",
  "name" : "Jamuna",
  "dept" : "1002",
  "age" : "40",
  "salary" : "30000"
}
{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}
{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}
> db.Employee.update({_id:"05"},{name:"shankar",dept:"1008",age:"32",salary:"80000"},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "05" })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",

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Command Prompt - mongo
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "05" })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",
  "dept" : "1001",
  "age" : "32",
  "salary" : "30000"
}
{
  "_id" : "02",
  "name" : "Jamuna",
  "dept" : "1002",
  "age" : "40",
  "salary" : "30000"
}
{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}
{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}
{
  "_id" : "05",
  "name" : "shankar",
  "dept" : "1008",
  "age" : "32",
  "salary" : "80000"
}
> db.Department.insert({_id:"01",Dname:"Software",dept:"1001",noofemp:"32"});
WriteResult({ "nInserted" : 1 })
> db.Department.insertMany([({_id:"2",Dname:"marketing",dept:"1002",noofemp:"40"},({_id:"3",name:"Software",dept:"1006",noofemp:"28"},({_id:"4",Dname:"QA",dept:"1007",noofemp:"28"})]);
{ "acknowledged" : true, "insertedIds" : [ "2", "3", "4" ] }
> db.Department.update({_id:"05"},{Dname:"Software",dept:"1001",noofemp:"32"},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "05" })
> db.Department.find().pretty()
{ "_id" : "01", "Dname" : "Software", "dept" : "1001", "noofemp" : "32" }
{ "_id" : "2", "Dname" : "marketing", "dept" : "1002", "noofemp" : "40" }
{ "_id" : "3", "name" : "Software", "dept" : "1006", "noofemp" : "28" }
{ "_id" : "4", "Dname" : "QA", "dept" : "1007", "noofemp" : "28" }
{ "_id" : "05", "Dname" : "Software", "dept" : "1001", "noofemp" : "32" }
> db.Employee.update({_id:"02"},{$set:{location:"bangalore"}});

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Select Command Prompt - mongo
({ "_id" : "05", "name" : "Software", "dept" : "1001", "noofemp" : "32" })
> db.Employee.update({_id:"02"},{$set:{location:"banglore"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",
  "dept" : "1001",
  "age" : "32",
  "salary" : "30000"
}

{
  "_id" : "02",
  "name" : "Jamuna",
  "dept" : "1002",
  "age" : "40",
  "salary" : "30000",
  "location" : "banglore"
}

{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}

{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}

{
  "_id" : "05",
  "name" : "Shankar",
  "dept" : "1008",
  "age" : "32",
  "salary" : "80000"
}

> db.Employee.update({_id:"02"},{$set:{location:"banglore"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",
  "dept" : "1001",
  "age" : "32",
  "salary" : "30000"
}
```

```
Select Command Prompt - mongo
"salary" : "80000"
> db.Employee.update({_id:"02"},{$set:{location:"banglore"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Employee.find().pretty()
{
  "_id" : "01",
  "name" : "Priyanka",
  "dept" : "1001",
  "age" : "32",
  "salary" : "30000"
}

{
  "_id" : "02",
  "name" : "Jamuna",
  "dept" : "1002",
  "age" : "40",
  "salary" : "30000"
}

{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}

{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}

{
  "_id" : "05",
  "name" : "Shankar",
  "dept" : "1008",
  "age" : "32",
  "salary" : "80000"
}

> db.Employee.find({$and: [{dept:{$gt:"1001"}}, {dept:{$lt:"1006"}}]}).pretty()
{ "_id" : "02", "name" : "Jamuna", "dept" : "1002" }
> db.Employee.find(name:/'A/').pretty();
{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}
```

```
Select Command Prompt - mongo

{
  "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}

{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}

{
  "_id" : "05",
  "name" : "Shankar",
  "dept" : "1008",
  "age" : "32",
  "salary" : "80000"
}

> db.Employee.find({$and: [{dept:{$gt:"1001"}}, {dept:{$lt:"1006"}}]}),(name:1,dept:1)).pretty()
{ "_id" : "02", "name" : "jamuna", "dept" : "1002" }
> db.Employee.find({name: /^A/}).pretty();
{ "_id" : "03",
  "name" : "Amar",
  "dept" : "1007",
  "age" : "28",
  "salary" : "60000"
}

{
  "_id" : "04",
  "name" : "Ashish",
  "dept" : "1007",
  "age" : "28",
  "salary" : "20000"
}

> db.Employee.find({age:{$gt:"30"}});
{ "_id" : "01", "name" : "Priyanka", "dept" : "1001", "age" : "32", "salary" : "30000" }
{ "_id" : "02", "name" : "jamuna", "dept" : "1002", "age" : "40", "salary" : "30000" }
{ "_id" : "05", "name" : "shankar", "dept" : "1008", "age" : "32", "salary" : "80000" }
```