```
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
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> use company
switched to db company
> db.createCollection("employee");
{ "ok" : 1 }
> db.createCollection("department");
{ "ok" : 1 }
> db.employee.insert({_id:"01",name:"Jamuna",emp_id:"123",depid:"1001",salary:"20000",emp_age:"30"});
WriteResult({ "nInserted" : 1 })
> db.employee.insert({_id:"02",name:"divya",emp_id:"456",depid:"1002",salary:"30000",emp_age:"32"});
WriteResult({ "nInserted" : 1 })
> db.employee.insertMany({_id:"03",name:"priyanka",emp_id:"789",depid:"1003",salary:"30000",emp_age:"29"},{_id:"04",name:"roopini",emp_id:"101",depid:"1004",salary:"400
0",emp_age:"28"});
2020-10-01T15:44:33.881+0530 E QUERY    [js] TypeError: documents.map is not a function :
DBCollection.prototype.insertMany@src/mongo/shell/crud_api.js:295:1
@(shell):1:1
> db.employee.update({_id:"04",name:"roopini",emp_id:"101",depid:"1004",salary:"4000",{$set:{emp_age:"28"}},{upsert:false});
...
... db.employee.find().pretty();
...
...

> db.department.insert({_id:"11",dep_name:"software",noofemp:"200",depid:"1001",manager:"priyanka"});
WriteResult({ "nInserted" : 1 })
> db.department.insert({_id:"12",dep_name:"software",noofemp:"300",depid:"1002",manager:"divya"});
WriteResult({ "nInserted" : 1 })
> db.department.insert({_id:"13",dep_name:"hardware",noofemp:"100",depid:"1003",manager:"roopini"});
WriteResult({ "nInserted" : 1 })
> db.department.insert({_id:"14",dep_name:"hardware",noofemp:"400",depid:"1004",manager:"jamuna"});
WriteResult({ "nInserted" : 1 })
> db.employee.update({_id:"02"},{$set:{join_date:"01-02-20"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.employee.find().pretty();
{
        "_id" : "01",
        "name" : "Jamuna",
        "emp_id" : "123",
        "depid" : "1001",
        "salary" : "20000",
```

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> db.employee.update({_id:"6",name:"navya",emp_id:"987",depid:"1002",salary:"20000"},{$set:{emp_age:"35"}},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "6" })
> db.employee.update({_id:"7",name:"abc",emp_id:"101",depid:"1007",salary:"20000"},{$set:{emp_age:"35"}},{upsert:false});
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.employee.save({_id:"8",name:"bbc",emp_id:"102",depid:"1007",salary:"20000",emp_age:"35",upsert:false});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "8" })
> db.department.save({_id:"18",dep_name:"hardware",noofemp:"400",depid:"1004",manager:"bhavana"});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "18" })
> db.employee.update({_id:"19",name:"bfc",emp_id:"103",depid:"1005",salary:"20000",emp_age:"30",upsert:true});
2020-10-01T16:34:58.528+0530 E QUERY    [js] Error: need an object :
DBCollection.prototype._parseUpdate@src/mongo/shell/collection.js:452:1
DBCollection.prototype.update@src/mongo/shell/collection.js:494:18
@(shell):1:1
> db.department.update({_id:"19",name:"bfc",emp_id:"103",depid:"1005",salary:"20000",emp_age:"30",upsert:true});
2020-10-01T16:35:17.804+0530 E QUERY    [js] Error: need an object :
DBCollection.prototype._parseUpdate@src/mongo/shell/collection.js:452:1
DBCollection.prototype.update@src/mongo/shell/collection.js:494:18
@(shell):1:1
> db.department.update({_id:"19",dep_name:"hardware",noofemp:"400",depid:"1005"},{$set:{manager:"bhavana"}},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "19" })
> db.department.update({_id:"20",dep_name:"software",noofemp:"400",depid:"1005"},{$set:{manager:"kavana"}},{upsert:false});
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.department.update({_id:"20",dep_name:"software",noofemp:"400",depid:"1005"},{$set:{manager:"kavana"}},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "20" })
> db.employee.find().pretty();
{
        "_id" : "01",
        "name" : "Jamuna",
        "emp_id" : "123",
        "depid" : "1001",
        "salary" : "20000",
        "emp_age" : "30"
}
{
        "_id" : "02",
        "name" : "divya",
        "emp_id" : "456",
        "depid" : "1002",
        "salary" : "30000",
        "emp_age" : "32"
}
{
        "_id" : "05",
        "name" : "Avya",
```

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Command Prompt - Mongo

> db.department.insert({_id:"14",dep_name:"hardware",noofemp:"400",depid:"1004",manager:"jamuna"});
WriteResult({ "nInserted" : 1 })
> db.employee.update({_id:"02"},{$set:{join_date:"01-02-20"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.employee.find().pretty();
{
        "_id" : "01",
        "name" : "Jamuna",
        "emp_id" : "123",
        "depid" : "1001",
        "salary" : "20000",
        "emp_age" : "30"
}
{
        "_id" : "02",
        "name" : "divya",
        "emp_id" : "456",
        "depid" : "1002",
        "salary" : "30000",
        "emp_age" : "32",
        "join_date" : "01-02-20"
}
> db.employee.update({_id:"02"},{$unset:{join_date:"01-02-20"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.employee.find().pretty();
{
        "_id" : "01",
        "name" : "Jamuna",
        "emp_id" : "123",
        "depid" : "1001",
        "salary" : "20000",
        "emp_age" : "30"
}
{
        "_id" : "02",
        "name" : "divya",
        "emp_id" : "456",
        "depid" : "1002",
        "salary" : "30000",
        "emp_age" : "32"
}
> bd.employee.find().pretty();
2020-10-01T16:03:15.051+0530 E QUERY    [js] ReferenceError: bd is not defined :
@(shell):1:1
```

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Command Prompt - Mongo

WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : "20" })
> db.employee.find().pretty();
{
        "_id" : "01",
        "name" : "Jamuna",
        "emp_id" : "123",
        "depid" : "1001",
        "salary" : "20000",
        "emp_age" : "30"
}
{
        "_id" : "02",
        "name" : "divya",
        "emp_id" : "456",
        "depid" : "1002",
        "salary" : "30000",
        "emp_age" : "32"
}
{
        "_id" : "05",
        "name" : "Avya",
        "emp_id" : "456",
        "depid" : "1005",
        "salary" : "30000",
        "emp_age" : "32"
}
{
        "_id" : "6",
        "depid" : "1002",
        "emp_id" : "987",
        "name" : "navya",
        "salary" : "20000",
        "emp_age" : "35"
}
{
        "_id" : "8",
        "name" : "bbc",
        "emp_id" : "102",
        "depid" : "1007",
        "salary" : "20000",
        "emp_age" : "35",
        "upsert" : false
}
> db.department.find().pretty();
```
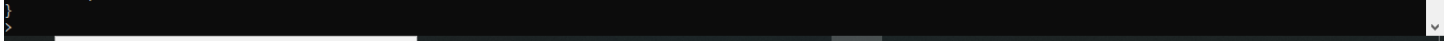
```
            "depid" : "1007",
            "salary" : "20000",
            "emp_age" : "35",
            "upsert" : false
}
> db.department.find().pretty();
{
            "_id" : "11",
            "dep_name" : "software",
            "noofemp" : "200",
            "depid" : "1001",
            "manager" : "priyanka"
}
{
            "_id" : "12",
            "dep_name" : "software",
            "noofemp" : "300",
            "depid" : "1002",
            "manager" : "divya"
}
{
            "_id" : "13",
            "dep_name" : "hardware",
            "noofemp" : "100",
            "depid" : "1003",
            "manager" : "roopini"
}
{
            "_id" : "14",
            "dep_name" : "hardware",
            "noofemp" : "400",
            "depid" : "1004",
            "manager" : "jamuna"
}
{
            "_id" : "18",
            "dep_name" : "hardware",
            "noofemp" : "400",
            "depid" : "1004",
            "manager" : "bhavana"
}
{
            "_id" : "19",
            "dep_name" : "hardware",
```

```
> db.employee.find({name:/^A/}).pretty();
{
            "_id" : "05",
            "name" : "Avya",
            "emp_id" : "456",
            "depid" : "1005",
            "salary" : "30000",
            "emp_age" : "32"
}
> db.employee.find({emp_age:{$gt:"30"}}).pretty();
{
            "_id" : "02",
            "name" : "divya",
            "emp_id" : "456",
            "depid" : "1002",
            "salary" : "30000",
            "emp_age" : "32"
}
{
            "_id" : "05",
            "name" : "Avya",
            "emp_id" : "456",
            "depid" : "1005",
            "salary" : "30000",
            "emp_age" : "32"
}
{
            "_id" : "6",
            "depid" : "1002",
            "emp_id" : "987",
            "name" : "navya",
            "salary" : "20000",
            "emp_age" : "35"
}
{
            "_id" : "8",
            "name" : "bbc",
            "emp_id" : "102",
            "depid" : "1007",
            "salary" : "20000",
            "emp_age" : "35",
            "upsert" : false
}
>
```

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        "emp_age" : "35",
        "upsert" : false
}
> db.employee.find({depid:{$in:["1001","1002","1003","1004","1005"]}},{name,depid:1});
2020-10-01T16:50:54.324+0530 E QUERY    [js] ReferenceError: name is not defined :
@(shell):1:70
> db.employee.find({depid:{$in:["1001","1002","1003","1004","1005"]}},{name:1,depid:1});
{ "_id" : "01", "name" : "Jamuna", "depid" : "1001" }
{ "_id" : "02", "name" : "divya", "depid" : "1002" }
{ "_id" : "05", "name" : "Avya", "depid" : "1005" }
{ "_id" : "6", "depid" : "1002", "name" : "navya" }
>
```