

LAB - 2

The screenshot shows the MongoDB Studio 3T interface. The left sidebar displays the database structure with 'Company' selected. The main editor contains a JavaScript script for database setup. The command window shows the execution of the script, resulting in a 'true' acknowledgment. The bottom status bar indicates '1 document selected'.

```
1 show dbs
2 use Company
3 db.createCollection("Employee");
4 db.createCollection("Department");
5
6 db.Employee.insert({id:1, Name:"Roni", age:30, dept_id:123});
7 db.Employee.update({id:2, Name:"Sagar", age:31, dept_id:234},{set:{Exp:2}}, {upsert:true});
8 db.Employee.insertMany([ {id:3, Name:"Roh", age:27, dept_id:98}, {id:4, Name:"Sal", age:29, dept_id:56}]);
9
10 db.Employee.update({id:3}, {set:{Exp:3}}, {upsert:false});
11 db.Employee.find()
12
13 db.Department.insert({id:1, Name:"Pun", dept_id:123});
14 db.Department.update({id:2, Name:"Pav", dept_id:234}, {set:{EmpStrength:30}}, {upsert:true});
15 db.Department.insertOne({id:3, Name:"Sal", dept_id:345});
16 db.Department.insert({id:4, Name:"Pav", dept_id:456});
17 db.Department.update({id:3}, {set:{dept_id:98}}, {upsert:false});
18 db.Department.find()
19
20 db.Employee.update({age:{gt:29}}, {set:{Hike:0}}, {multi:true})
21
22 db.Employee.find()
23 db.Department.find()
24
25 db.Employee.update({Name:"bbb"}, { $set: { "Exp": "" } })
26
```

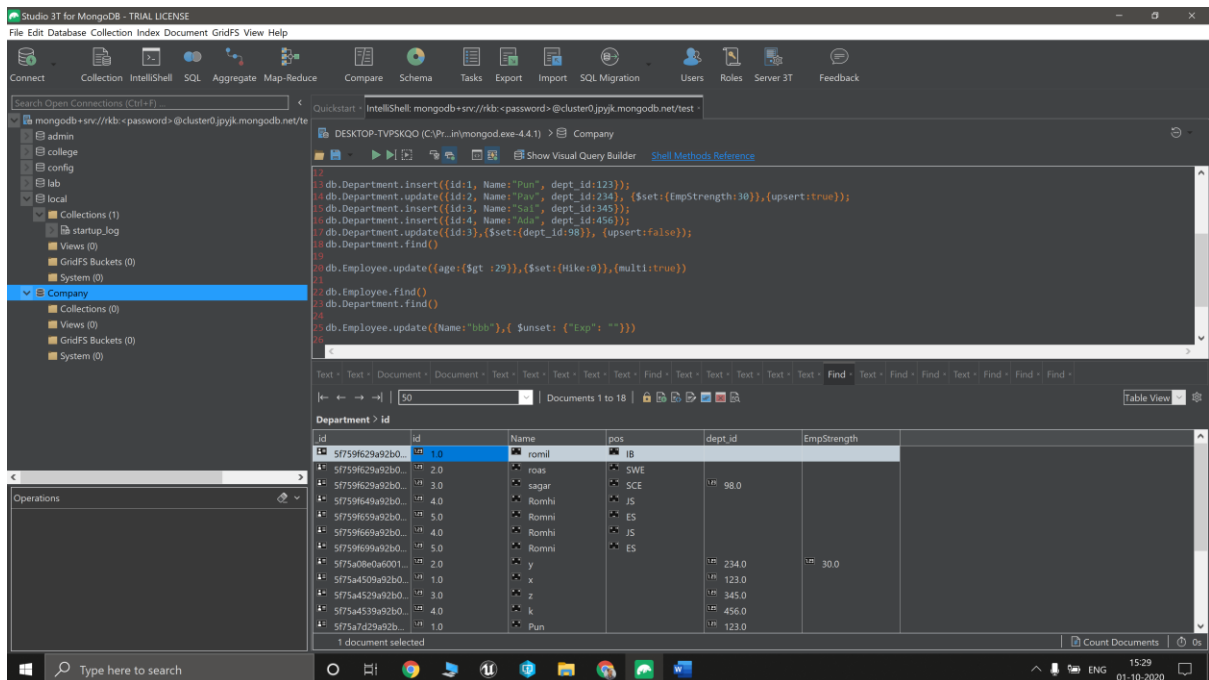
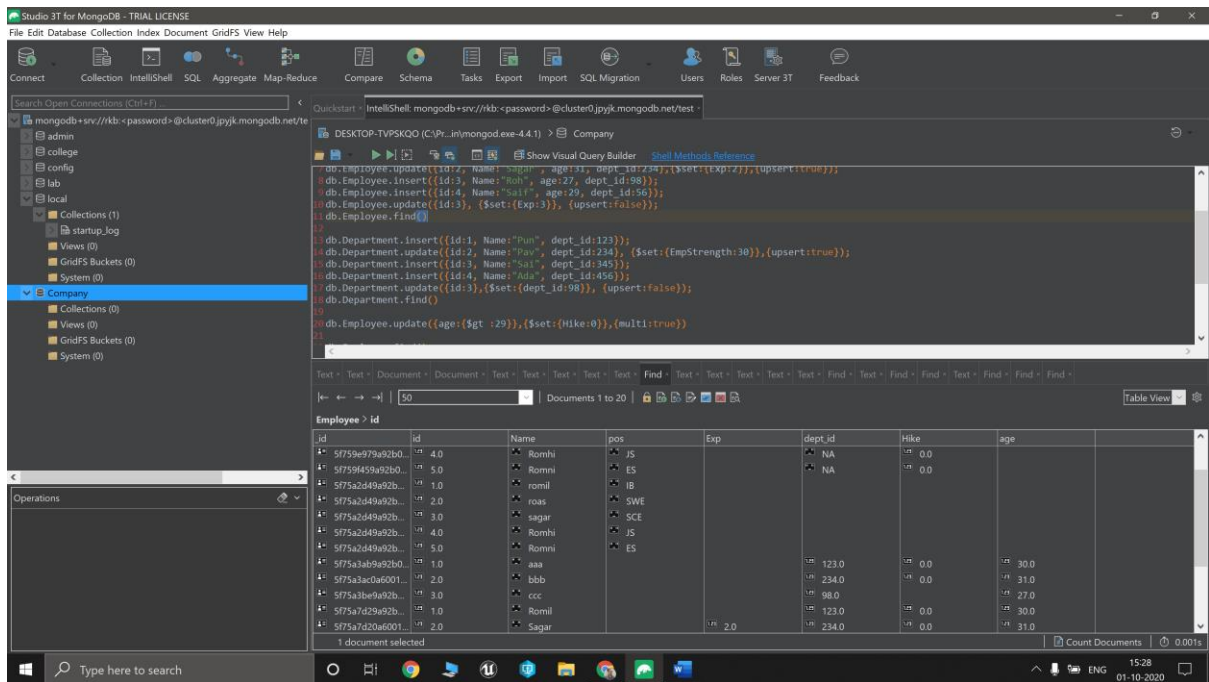
id	acknowledged	insertedIds
30	true	[2 elements]

The screenshot shows the MongoDB Studio 3T interface. The left sidebar displays the database structure with 'Company' selected. The main editor contains a JavaScript script for database setup. The command window shows the execution of the script, resulting in a 'false' acknowledgment. The bottom status bar indicates '1 document selected'.

```
13 db.Department.insert({id:1, Name:"Pun", dept_id:123});
14 db.Department.update({id:2, Name:"Pav", dept_id:234}, {set:{EmpStrength:30}}, {upsert:true});
15 db.Department.insertOne({id:3, Name:"Sal", dept_id:345});
16 db.Department.insert({id:4, Name:"Pav", dept_id:456});
17 db.Department.update({id:3}, {set:{dept_id:98}}, {upsert:false});
18 db.Department.find()
19
20 db.Employee.update({age:{gt:29}}, {set:{Hike:0}}, {multi:true})
21
22 db.Employee.find()
23 db.Department.find()
24
25 db.Employee.update({Name:"bbb"}, { $set: { "Exp": "" } })
26
```

id	acknowledged	insertedIds
30	false	[2 elements]

LAB - 2



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The screenshot displays the MongoDB Studio 3T interface. The left sidebar shows the database structure with 'Company' selected. The main window contains a shell script with the following commands:

```
17 db.Department.update((id:3),{$set:{dept_id:98}}, {upsert:false});
18 db.Department.find()
19
20 db.Employee.update((age:{$gt :29}),{$set:{Hike:0}}, {multi:true})
21
22 db.Employee.find()
23 db.Department.find()
24
25 db.Employee.update((Name:"bbb"),{$set: {"Exp": ""}})
26
27 db.Employee.find({ dept_id :{$gt: 100, $lt: 400}}, (Name:1, dept_id:1)).pretty();
28
29 db.Employee.find((Name:/*a/)).pretty()
30
31 db.Employee.find((age : {$gt :29})).pretty()
```

Below the script, a table view shows the 'Employee' collection data:

id	Name	dept_id
5f75a3ab9a92b0	aaa	123.0
5f75a3acd0a6001	bbb	234.0
5f75a7d29a92b0	Romil	123.0
5f75a7d20a6001	Sagar	234.0
5f75a80c9a92b0	Romil	123.0

The bottom status bar indicates '1 document selected' and 'Count Documents 0.001s'.