Name   :Suriya Lakshmi A

EmpID :TR10435

Date   :03/08/2023

MongoDB

>Practice on database creation and insert,update,find,delete operations.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000                              —   □   ×
{ ok: 1 }
Payoda> db.Employees.insertOne({})
{
  acknowledged: true,
  insertedId: ObjectId("64cb3d0872ccaab68979ef0a")
}
Payoda> db.Employees.insertOne({name:"Suriya" })
{
  acknowledged: true,
  insertedId: ObjectId("64cb3d4072ccaab68979ef0b")
}
Payoda> db.Employees.insertMany({name:"Tae" },{name:"Suga"})
MongoInvalidArgumentError: Argument "docs" must be an array of documents
Payoda> db.Employees.insertMany([{name:"Tae" },{name:"Suga"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb3dfe72ccaab68979ef0c"),
    '1': ObjectId("64cb3dfe72ccaab68979ef0d")
  }
}
Payoda> db.Employees.find()
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({name:"Tae"})
[ { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' } ]
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({},{name:1})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
```

```
}
Payoda> db.Employees.find()
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({name:"Tae"})
[ { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' } ]
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({},{name:1})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({},{name:0})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b") },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c") },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d") }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"Agustd"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
```

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Agustd"},{$set:{name:"Suga"}},{upsert:true})
{
  acknowledged: true,
  insertedId: ObjectId("64cb4a213307ebc18e78e104"),
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' },
  { _id: ObjectId("64cb4a213307ebc18e78e104"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
[
```

```
    { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin'  },
    { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae'  },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'AguestD'  },
    { _id: ObjectId("64cb4a213307ebc18e78e104"), name: 'Suga'  }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.updateOne({name:"AguestD"},{$set:{name:"Suga"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.updateOne({name:"AguestD"})
MongoInvalidArgumentError: Update document requires atomic operators
Payoda> db.Employees.deleteOne({name:"AguestD"})
{ acknowledged: true, deletedCount: 1 }
Payoda> db.Employees.find({})
[
    { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin'  },
    { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae'  },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga'  }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
```

```
{ acknowledged: true, deletedCount: 2 }
Payoda> db.Employees.find({})
[
    { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin'  },
    { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae'  }
]
Payoda> db.Employees.insertMany({name:"Tae" ,age:27},{name:"Suga",age:29})
MongoInvalidArgumentError: Argument "docs" must be an array of documents
Payoda> db.Employees.insertMany([{name:"Tae" ,age:27},{name:"Suga",age:29}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb4bc172ccaab68979ef0e"),
    '1': ObjectId("64cb4bc172ccaab68979ef0f")
  }
}
Payoda> db.Employees.updateOne({name:"Tae"},{$inc:{age:26}})
...
...
Payoda> db.Employees.find({})
[
    { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin'  },
    { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
    { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae'  },
    { _id: ObjectId("64cb4bc172ccaab68979ef0e"), name: 'Tae', age: 27  },
    { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:26}})
[
    { _id: ObjectId("64cb4bc172ccaab68979ef0e"), name: 'Tae', age: 27  },
    { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:27}})
[
    { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:27}},{name:1})
[ { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{id:0,age:0})
```

```
[ { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,age:0})
[ { name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,age:1})
[ { age: 29 } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,name:1})
[ { name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{age:0,name:1})
MongoServerError: Cannot do inclusion on field name in exclusion projection
Payoda> db.Employees.find({age:{$gt:27}},{name:0,age:1})
MongoServerError: Cannot do inclusion on field age in exclusion projection
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,name:1})
[ { name: 'Suga' } ]
Payoda> db.Employees.insertMany([{name:"JK" ,age:25,email:"jungkook@gmail.com",isActive:true},{name:"RM",age:28,email:"naamjoon@gmail.com",isActive:false}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb4fc072ccaab68979ef10"),
    '1': ObjectId("64cb4fc072ccaab68979ef11")
  }
}
Payoda> db.Employees.find({age:{$gt:27}},name:"jk")
Uncaught:
SyntaxError: Unexpected token, expected "," (1:37)

> 1 | db.Employees.find({age:{$gt:27}},name:"jk")
    |                                      ^
  2 |

Payoda> db.Employees.find({age:{$gt:27}},name:"jk"})

Payoda> db.Employees.find({age:{$gt:24}},name:"jk"})

Payoda> db.Employees.find({age:{$gt:24}},name:"JK"})
[
  {
    _id: ObjectId("64cb4fc072ccaab68979ef10"),
    name: 'JK',
    age: 25,
    email: 'jungkook@gmail.com',
```

```
    isActive: true
  }
]
Payoda> db.Employees.find({age:{$gt:24},name:"JK",{isActive:1}})
Uncaught:
SyntaxError: Unexpected token (1:42)

> 1 | db.Employees.find({age:{$gt:24},name:"JK",{isActive:1}})
    |                                           ^
  2 |

Payoda> db.Employees.find({age:{$gt:24},name:"JK"},{isActive:1})
[ { _id: ObjectId("64cb4fc072ccaab68979ef10"), isActive: true } ]
Payoda> db.Employees.find({age:{$gt:24},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$lt:24},name:"JK"},{_id:0,isActive:1})
Payoda> db.Employees.find({age:{$in:[24,30]},name:"JK"},{_id:0,isActive:1})
Payoda> db.Employees.find({age:{$in:[24,25]},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$in:[24,30]},name:"JK"},{_id:0,isActive:1})
Payoda> db.Employees.find({age:{$gt:30,$lt:24},name:"JK"},{_id:0,isActive:1})
Payoda> db.Employees.find({age:{$gt:24,$lt:30},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$gt:24,$lt:30},name:"JK"},{_id:0,name:1})
[ { name: 'JK' } ]
Payoda> db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}],{_id:0,name:1})
Uncaught:
SyntaxError: Unexpected token (1:69)

> 1 | db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}],{_id:0,name:1})
    |                                                                      ^
  2 |

Payoda> db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}]},{_id:0,name:1})
[ { name: 'JK' }, { name: 'RM' } ]
Payoda> db.Employees.find({age:{$gte:25},name:"JK"},{_id:0,name:1})
```

Code:

C:\Users\Suriyalakshmi>mongosh
Current Mongosh Log ID: 64cb309672ccaab68979ef09
Connecting to:
mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.10.3
Using MongoDB: 6.0.8
Using Mongosh: 1.10.3

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

```
------
   The server generated these startup warnings when booting
   2023-08-02T13:41:59.024+05:30: Access control is not enabled for the database. Read
and write access to data and configuration is unrestricted
------

test> show dbs
admin   40.00 KiB
config  72.00 KiB
local   72.00 KiB
test> show dbs
Sample    8.00 KiB
admin    40.00 KiB
config  108.00 KiB
local    72.00 KiB
test> db
test
test> use Payoda
switched to db Payoda
Payoda> db.createCollection("Employees");
{ ok: 1 }
Payoda> db.Employees.insertOne({})
{
  acknowledged: true,
  insertedId: ObjectId("64cb3d0872ccaab68979ef0a")
}
Payoda> db.Employees.insertOne({name:"Suriya" })
{
  acknowledged: true,
  insertedId: ObjectId("64cb3d4072ccaab68979ef0b")
}
Payoda> db.Employees.insertMany({name:"Tae" },{name:"Suga"})
MongoInvalidArgumentError: Argument "docs" must be an array of documents
Payoda> db.Employees.insertMany([{name:"Tae" },{name:"Suga"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb3dfe72ccaab68979ef0c"),
    '1': ObjectId("64cb3dfe72ccaab68979ef0d")
  }
}
Payoda> db.Employees.find()
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
```

```
]
Payoda> db.Employees.find({name:"Tae"})
[ { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' } ]
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({},{name:1})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.find({},{name:0})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b") },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c") },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d") }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"Agustd"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a") },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Agustd' }
]
Payoda> db.Employees.updateOne({},{$set:{name:"Jimin"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
```

```
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Agustd' }
]
Payoda> db.Employees.updateOne({name:"Agustd"},{$set:{name:"Suga"}},upsert:true)
Uncaught:
SyntaxError: Unexpected token, expected "," (1:66)

> 1 | db.Employees.updateOne({name:"Agustd"},{$set:{name:"Suga"}},upsert:true)
    |                                                                  ^
  2 |

Payoda> db.Employees.updateOne({name:"Agustd"},{$set:{name:"Suga"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Agustd"},{$set:{name:"Suga"}},{upsert:true})
{
  acknowledged: true,
  insertedId: ObjectId("64cb4a213307ebc18e78e104"),
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' },
  { _id: ObjectId("64cb4a213307ebc18e78e104"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
```

```
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'AguestD' },
  { _id: ObjectId("64cb4a213307ebc18e78e104"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.updateOne({name:"AguestD"},{$set:{name:"Suga"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Payoda> db.Employees.updateOne({name:"AguestD"})
MongoInvalidArgumentError: Update document requires atomic operators
Payoda> db.Employees.deleteOne({name:"AguestD"})
{ acknowledged: true, deletedCount: 1 }
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0d"), name: 'Suga' }
]
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
Payoda> db.Employees.updateOne({name:"Suga"},{$set:{name:"AguestD"}},{upsert:true})
{
  acknowledged: true,
  insertedId: ObjectId("64cb4b473307ebc18e78e1c6"),
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
Payoda> db.Employees.deleteMany({name:"AguestD"})
{ acknowledged: true, deletedCount: 2 }
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' }
]
Payoda> db.Employees.insertMany({name:"Tae" ,age:27},{name:"Suga",age:29})
MongoInvalidArgumentError: Argument "docs" must be an array of documents
Payoda> db.Employees.insertMany([{name:"Tae" ,age:27},{name:"Suga",age:29}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb4bc172ccaab68979ef0e"),
    '1': ObjectId("64cb4bc172ccaab68979ef0f")
  }
}
Payoda> db.Employees.updateOne({name:"Tae"},{$inc:{age:26}}
...
...
Payoda> db.Employees.find({})
[
  { _id: ObjectId("64cb3d0872ccaab68979ef0a"), name: 'Jimin' },
  { _id: ObjectId("64cb3d4072ccaab68979ef0b"), name: 'Suriya' },
  { _id: ObjectId("64cb3dfe72ccaab68979ef0c"), name: 'Tae' },
  { _id: ObjectId("64cb4bc172ccaab68979ef0e"), name: 'Tae', age: 27 },
  { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:26}})
[
  { _id: ObjectId("64cb4bc172ccaab68979ef0e"), name: 'Tae', age: 27 },
  { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:27}})
[
  { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga', age: 29 }
]
Payoda> db.Employees.find({age:{$gt:27}},{name:1})
[ { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga' } ]
```

```
Payoda> db.Employees.find({age:{$gt:27}},{id:0,age:0})
[ { _id: ObjectId("64cb4bc172ccaab68979ef0f"), name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,age:0})
[ { name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,age:1})
[ { age: 29 } ]
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,name:1})
[ { name: 'Suga' } ]
Payoda> db.Employees.find({age:{$gt:27}},{age:0,name:1})
MongoServerError: Cannot do inclusion on field name in exclusion projection
Payoda> db.Employees.find({age:{$gt:27}},{name:0,age:1})
MongoServerError: Cannot do inclusion on field age in exclusion projection
Payoda> db.Employees.find({age:{$gt:27}},{_id:0,name:1})
[ { name: 'Suga' } ]
Payoda> db.Employees.insertMany([{name:"JK"
,age:25,email:"jungkook@gmail.com",isActive:true},{name:"RM",age:28,email:"naamjoon@g
mail.com",isActive:false}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64cb4fc072ccaab68979ef10"),
    '1': ObjectId("64cb4fc072ccaab68979ef11")
  }
}
Payoda> db.Employees.find({age:{$gt:27}},name:"jk")
Uncaught:
SyntaxError: Unexpected token, expected "," (1:37)

> 1 | db.Employees.find({age:{$gt:27}},name:"jk")
    |                                     ^
  2 |

Payoda> db.Employees.find({age:{$gt:27},name:"jk"})

Payoda> db.Employees.find({age:{$gt:24},name:"jk"})

Payoda> db.Employees.find({age:{$gt:24},name:"JK"})
[
  {
    _id: ObjectId("64cb4fc072ccaab68979ef10"),
    name: 'JK',
    age: 25,
    email: 'jungkook@gmail.com',
    isActive: true
  }
]
Payoda> db.Employees.find({age:{$gt:24},name:"JK",{isActive:1}})
Uncaught:
```

```
SyntaxError: Unexpected token (1:42)

> 1 | db.Employees.find({age:{$gt:24},name:"JK",{isActive:1}})
  |                                          ^
 2 |


Payoda> db.Employees.find({age:{$gt:24},name:"JK"},{isActive:1})
[ { _id: ObjectId("64cb4fc072ccaab68979ef10"), isActive: true } ]
Payoda> db.Employees.find({age:{$gt:24},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$lt:24},name:"JK"},{_id:0,isActive:1})

Payoda> db.Employees.find({age:{$in:[24,30]},name:"JK"},{_id:0,isActive:1})

Payoda> db.Employees.find({age:{$in:[24,25]},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$in:[24,30]},name:"JK"},{_id:0,isActive:1})

Payoda> db.Employees.find({age:{$gt:30,$lt:24},name:"JK"},{_id:0,isActive:1})

Payoda> db.Employees.find({age:{$gt:24,$lt:30},name:"JK"},{_id:0,isActive:1})
[ { isActive: true } ]
Payoda> db.Employees.find({age:{$gt:24,$lt:30},name:"JK"},{_id:0,name:1})
[ { name: 'JK' } ]
Payoda>
db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}],{_id:0,name:1})
Uncaught:
SyntaxError: Unexpected token (1:69)

> 1 | db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}],{_id:0,name:1})
  |                                                                      ^
 2 |


Payoda>
db.Employees.find({age:{$gt:24,$lt:30},$or:[{name:"JK"},{name:"RM"}]},{_id:0,name:1})
[ { name: 'JK' }, { name: 'RM' } ]
Payoda> db.Employees.find({age:{$gte:25},name:"JK"},{_id:0,name:1})
[ { name: 'JK' } ]
Payoda>
Payoda> db.Employees.find({age:{$gte:25},name:"JK"},{_id:0,name:1})
[ { name: 'JK' } ]
Payoda> db.Employees.find({age:{$gte:25},name:"JK"},{_id:0,name:1})
[ { name: 'JK' } ]
```