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Microsoft Windows [Version 10.0.22621.2361]
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C:\Users\santo>mongosh
Current Mongosh Log ID: 6515ae0aa0d9de7eac0394ba
Connecting
to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionT
imeoutMS=2000&appName=mongosh+2.0.1
Using MongoDB:      7.0.1
Using Mongosh:      2.0.1

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

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The server generated these startup warnings when booting
2023-09-28T20:37:41.228+05:30: Access control is not enabled for the
database. Read and write access to data and configuration is unrestricted
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test> show dbs
Department    256.00 KiB
Department1   112.00 KiB
admin          40.00 KiB
config         72.00 KiB
local          72.00 KiB
test           40.00 KiB
test> use Department1
switched to db Department1
Department1> show tabels
MongoshInvalidInputError: [COMMON-10001] 'tabels' is not a valid argument for
"show".
Department1> show tables
Students
Teachers
Department1> db.Teachers.find({})
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',

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dno: 6072625,  
D_Name: 'Comp.',  
Experience: 1,  
Salary: 10000,  
Date_of__join: '24-05-2022'  
},  
{  
  _id: ObjectId("651592c3080b73f6b147b4ac"),  
  Tname: 'Mahesh Kakade',  
  dno: 6072624,  
  D_Name: 'IT.',  
  Experience: 3,  
  Salary: 45000,  
  Date_of__join: '21-05-2020'  
},  
{  
  _id: ObjectId("651592c3080b73f6b147b4ad"),  
  Tname: 'Parth T.',  
  dno: 6072624,  
  D_Name: 'IT',  
  Experience: 3,  
  Salary: 38000,  
  Date_of__join: '18-06-2020'  
},  
{  
  _id: ObjectId("651592c3080b73f6b147b4ae"),  
  Tname: 'Sonam S',  
  dno: 6072626,  
  D_Name: 'AI&DS',  
  Experience: 2,  
  Salary: 355000,  
  Date_of__join: '16-08-2021'  
},  
{  
  _id: ObjectId("651592c3080b73f6b147b4af"),  
  Tname: 'Bharati S.',  
  dno: 6072626,  
  D_Name: 'AI&DS',  
  Experience: 4,  
  Salary: 45000,  
  Date_of__join: '11-04-2019'  
},  
{  
  _id: ObjectId("65159420080b73f6b147b4b0"),  
  Tname: 'Rakesh R.',  
  dno: 6072623,  
  D_Name: 'E&TC',  
  Experience: 2,
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Salary: 34000,
Date_of_join: '26-05-2020'
},
{
  _id: ObjectId("65159420080b73f6b147b4b1"),
  Tname: 'Praveen p',
  dno: 6072623,
  D_Name: 'E&TC',
  Experience: 2,
  Salary: 28000,
  Date_of_join: '26-03-2021'
}
]
Department1> db.Students.find({})
[
  {
    _id: ObjectId("651594f0080b73f6b147b4b2"),
    Stud_Name: 'Vaibhav P.',
    R_no: 72,
    Class: 'TE'
  },
  {
    _id: ObjectId("651594f0080b73f6b147b4b3"),
    Stud_Name: 'Aditya R.',
    R_no: 73,
    Class: 'TE'
  },
  {
    _id: ObjectId("651594f0080b73f6b147b4b4"),
    Stud_Name: 'Santosh N.',
    R_no: 74,
    Class: 'TE'
  },
  {
    _id: ObjectId("651594f0080b73f6b147b4b5"),
    Stud_Name: 'Siddhi T.',
    R_no: 75,
    Class: 'TE'
  }
]

Department1> db.Teachers.find({D_Name:"Comp."})
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
  }
]

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    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 1,
    Salary: 10000,
    Date_of_join: '24-05-2022'
  }
]

Department1> db.Teachers.find({D_Name:{$in:["Comp.", "IT", "E&TC"]}})
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 1,
    Salary: 10000,
    Date_of_join: '24-05-2022'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ad"),
    Tname: 'Parth T.',
    dno: 6072624,
    D_Name: 'IT',
    Experience: 3,
    Salary: 38000,
    Date_of_join: '18-06-2020'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b0"),
    Tname: 'Rakesh R.',
    dno: 6072623,

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    D_Name: 'E&TC',
    Experience: 2,
    Salary: 34000,
    Date_of_join: '26-05-2020'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b1"),
    Tname: 'Praveen p',
    dno: 6072623,
    D_Name: 'E&TC',
    Experience: 2,
    Salary: 28000,
    Date_of_join: '26-03-2021'
  }
]
Department1>
db.Teachers.find({D_Name:{$in:["Comp.", "IT", "E&TC"]}, Salary:{$gte:10000}})
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 1,
    Salary: 10000,
    Date_of_join: '24-05-2022'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ad"),
    Tname: 'Parth T.',
    dno: 6072624,
    D_Name: 'IT',
    Experience: 3,
    Salary: 38000,
    Date_of_join: '18-06-2020'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b0"),
    Tname: 'Rakesh R.',

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    dno: 6072623,
    D_Name: 'E&TC',
    Experience: 2,
    Salary: 34000,
    Date_of_join: '26-05-2020'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b1"),
    Tname: 'Praveen p',
    dno: 6072623,
    D_Name: 'E&TC',
    Experience: 2,
    Salary: 28000,
    Date_of_join: '26-03-2021'
  }
]
Department1> db.Teachers.updateOne({Tname:"Praveen P"},{$set:{Experience:10}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}
Department1> db.Teachers.findOne({Tname:"Praveen P"})
null
Department1> db.Teachers.updateOne({Tname:"Praveen p"},{$set:{Experience:10}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Department1> db.Teachers.findOne({Tname:"Praveen p"})
{
  _id: ObjectId("65159420080b73f6b147b4b1"),
  Tname: 'Praveen p',
  dno: 6072623,
  D_Name: 'E&TC',
  Experience: 10,
  Salary: 28000,
  Date_of_join: '26-03-2021'
}
Department1> db.Teachers.updateMany({D_Name:"IT"},{$set:{D_Name:"Comp."}})
{
  acknowledged: true,
  insertedId: null,

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    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
}

Department1> db.Teachers.updateMany({D_Name:"IT"},{$set:{D_Name:"Comp."}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}

Department1> db.Teachers.findOne({D_Name:"IT"})
null

Department1> db.Teachers.find({D_Name:"Comp."})
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 1,
    Salary: 10000,
    Date_of_join: '24-05-2022'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ad"),
    Tname: 'Parth T.',
    dno: 6072624,
    D_Name: 'Comp.',
    Experience: 3,
    Salary: 38000,
    Date_of_join: '18-06-2020'
  }
]

Department1> db.Students.findOne({R_no:74,Stud_Name:"Santosh N."})

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{
  _id: ObjectId("651594f0080b73f6b147b4b4"),
  Stud_Name: 'Santosh N.',
  R_no: 74,
  Class: 'TE'
}
Department1> db.Teachers.find({}, {Tname:1, Experience:1}).pretty()
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    Experience: 5
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    Experience: 1
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ac"),
    Tname: 'Mahesh Kakade',
    Experience: 3
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ad"),
    Tname: 'Parth T.',
    Experience: 3
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ae"),
    Tname: 'Sonam S',
    Experience: 2
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4af"),
    Tname: 'Bharati S.',
    Experience: 4
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b0"),
    Tname: 'Rakesh R.',
    Experience: 2
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b1"),
    Tname: 'Praveen p',
    Experience: 10
  }
]
```



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]

Department1> db.Teachers.deleteMany({D_Name:"IT"})
{ acknowledged: true, deletedCount: 0 }

Department1> db.Teachers.find()
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 1,
    Salary: 10000,
    Date_of_join: '24-05-2022'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ac"),
    Tname: 'Mahesh Kakade',
    dno: 6072624,
    D_Name: 'IT.',
    Experience: 3,
    Salary: 45000,
    Date_of_join: '21-05-2020'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ad"),
    Tname: 'Parth T.',
    dno: 6072624,
    D_Name: 'Comp.',
    Experience: 3,
    Salary: 38000,
    Date_of_join: '18-06-2020'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ae"),
    Tname: 'Sonam S',
    dno: 6072626,
    D_Name: 'AI&DS',

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```

    Experience: 2,
    Salary: 355000,
    Date_of_join: '16-08-2021'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4af"),
    Tname: 'Bharati S.',
    dno: 6072626,
    D_Name: 'AI&DS',
    Experience: 4,
    Salary: 45000,
    Date_of_join: '11-04-2019'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b0"),
    Tname: 'Rakesh R.',
    dno: 6072623,
    D_Name: 'E&TC',
    Experience: 2,
    Salary: 34000,
    Date_of_join: '26-05-2020'
  },
  {
    _id: ObjectId("65159420080b73f6b147b4b1"),
    Tname: 'Praveen p',
    dno: 6072623,
    D_Name: 'E&TC',
    Experience: 10,
    Salary: 28000,
    Date_of_join: '26-03-2021'
  }
]
Department1> db.Teachers.find().pretty().limit(3)
[
  {
    _id: ObjectId("651592c3080b73f6b147b4aa"),
    Tname: 'Rupesh mahajan',
    dno: 6072625,
    D_Name: 'Comp.',
    Experience: 5,
    Salary: 65000,
    Date_of_join: '21-05-2018'
  },
  {
    _id: ObjectId("651592c3080b73f6b147b4ab"),
    Tname: 'Sinu T',
    dno: 6072625,
    D_Name: 'Comp.',

```

```
Experience: 1,  
Salary: 10000,  
Date_of_join: '24-05-2022'  
},  
{  
  _id: ObjectId("651592c3080b73f6b147b4ac"),  
  Tname: 'Mahesh Kakade',  
  dno: 6072624,  
  D_Name: 'IT.',  
  Experience: 3,  
  Salary: 45000,  
  Date_of_join: '21-05-2020'  
}  
]  
Department1>
```