

DBMS Practical-Mango
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Roll N0-13171
Div-A

Program:-

```
mongosh mongo://127.0.0.1:27017/db?directConnection=true&serverSelectionTimeoutMS=2000
-----
2023-10-16T11:45:32.025+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----
db> show dbs
admin      48.00 KiB
anurag     115.00 KiB
config     100.00 KiB
db         8.00 KiB
local      72.00 KiB
stud       72.00 KiB
db> use anurag
switched to db anurag
anurag> db.createCollection("student");
{ ok: 1 }
anurag> db.student.insert({"_id":123,"name":"anurag","marks":70});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("652ce37bc84d654a707c5f83") }
}
anurag> db.student.insert({"_id":101,"name":"rohan","marks":80});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("652ce38fc84d654a707c5f84") }
}
anurag> db.student.insert({"_id":103,"name":"shuan","marks":90});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("652ce3e7c84d654a707c5f85") }
}
anurag> db.student.insert({"_id":109,"name":"shradha","marks":75});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("652ce404c84d654a707c5f86") }
}
anurag> db.student.find();
{
  "_id": ObjectId("652ce37bc84d654a707c5f83"),
  "id": 123,
  "name": "anurag",
  "marks": 70
},
{
  "_id": ObjectId("652ce38fc84d654a707c5f84"),
  "id": 101,
  "name": "rohan",
  "marks": 80
},
{
  "_id": ObjectId("652ce3e7c84d654a707c5f85"),
  "id": 103,
  "name": "shuan",
  "marks": 90
},
{
  "_id": ObjectId("652ce404c84d654a707c5f86"),
  "id": 109,
  "name": "shradha",
  "marks": 75
},
}
```

```
anurag> db.student.find({marks:{gt:50}});
{
  "_id": ObjectId("652ce37bc84d654a707c5f83"),
  "id": 123,
  "name": "anurag",
  "marks": 70
},
{
  "_id": ObjectId("652ce3e7c84d654a707c5f85"),
  "id": 103,
  "name": "shuan",
  "marks": 90
},
{
  "_id": ObjectId("652ce404c84d654a707c5f86"),
  "id": 109,
  "name": "shradha",
  "marks": 75
},
}
anurag> db.student.find({marks:{gte:50}});
{
  "_id": ObjectId("652ce37bc84d654a707c5f83"),
  "id": 123,
  "name": "anurag",
  "marks": 70
},
{
  "_id": ObjectId("652ce3e7c84d654a707c5f85"),
  "id": 103,
  "name": "shuan",
  "marks": 90
},
{
  "_id": ObjectId("652ce404c84d654a707c5f86"),
  "id": 109,
  "name": "shradha",
  "marks": 75
},
}
anurag> db.student.find({marks:{lte:50}});
{}
anurag> db.student.find({marks:{lte:70}});
{
  "_id": ObjectId("652ce37bc84d654a707c5f83"),
  "id": 123,
  "name": "anurag",
  "marks": 70
},
}
anurag> db.student.find({marks:{eq:70}});
{
  "_id": ObjectId("652ce37bc84d654a707c5f83"),
  "id": 123,
  "name": "anurag",
  "marks": 70
},
}
```

```
mongosh mongodb://127.0.0.1:27017/db?directConnection=true&serverSelectionTimeoutMS=2000
upsertedCount: 0
}
anurag> db.student.find();
{
  _id: ObjectId("652ce37bc84d654a707cf83"),
  id: 123,
  name: "anurag",
  marks: 70
},
{
  _id: ObjectId("652ce38fc84d654a707cf84"),
  id: 101,
  name: "abhishek",
  marks: 80
},
{
  _id: ObjectId("652ce3e7c84d654a707cf85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707cf86"),
  id: 109,
  name: "shraddha",
  marks: 75
}
}
anurag> db.student.remove({id:101});
deprecationWarning: collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
anurag> db.student.find();
{
  _id: ObjectId("652ce37bc84d654a707cf83"),
  id: 123,
  name: "anurag",
  marks: 70
},
{
  _id: ObjectId("652ce3e7c84d654a707cf85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707cf86"),
  id: 109,
  name: "shraddha",
  marks: 75
}
}
anurag>
```

```
mongosh mongodb://127.0.0.1:27017/db?directConnection=true&serverSelectionTimeoutMS=2000
{
  _id: ObjectId("652ce3e7c84d654a707cf85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707cf86"),
  id: 109,
  name: "shraddha",
  marks: 75
}
}
anurag> db.student.find({marks:{lte:50}});
{}
anurag> db.student.find({marks:{lte:70}});
{
  _id: ObjectId("652ce37bc84d654a707cf83"),
  id: 123,
  name: "anurag",
  marks: 70
}
}
anurag> db.student.find({marks:{eq:70}});
{
  _id: ObjectId("652ce37bc84d654a707cf83"),
  id: 123,
  name: "anurag",
  marks: 70
}
}
anurag> db.student.find({marks:{eq:50}});
{}
anurag> db.student.updateOne({id:101},{ $push: { "name": "sangam" } });
{ acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0 }
anurag> db.student.find();
{
  _id: ObjectId("652ce37bc84d654a707cf83"),
  id: 123,
  name: "anurag",
  marks: 70
},
{
  _id: ObjectId("652ce3e7c84d654a707cf85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707cf86"),
  id: 109,
  name: "shraddha",
  marks: 75
}
}
```

mongosh mongod://127.0.0.1:27017/db?directConnections=true&serverSelectionTimeoutMS=2000

```
{
  _id: ObjectId("652ce3e7c84d654a707c5f85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707c5f86"),
  id: 109,
  name: "shradha",
  marks: 75
}
}
murag> db.student.find({marks:{$lte:50}});
murag> db.student.find({marks:{$lte:70}});
{
  _id: ObjectId("652ce37bc84d654a707c5f83"),
  id: 123,
  name: "murag",
  marks: 70
}
murag> db.student.find({marks:{$eq:70}});
{
  _id: ObjectId("652ce37bc84d654a707c5f83"),
  id: 123,
  name: "murag",
  marks: 70
}
murag> db.student.find({marks:{$eq:50}});
murag> db.student.updateOne({id:103},{$push:{name:"sangam"}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}
murag> db.student.find();
{
  _id: ObjectId("652ce37bc84d654a707c5f83"),
  id: 123,
  name: "murag",
  marks: 70
},
{
  _id: ObjectId("652ce3e7c84d654a707c5f85"),
  id: 103,
  name: "ishuan",
  marks: 90
},
{
  _id: ObjectId("652ce404c84d654a707c5f86"),
  id: 109,
  name: "shradha",
  marks: 75
}
}
```

Type here to search

31°C Sunny 13:19 16-10-2023