

Mongo Db Queries

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1.How to insert a single document in Mongo DB Collection ?

Query :

- `db.studentdetails.insertOne({"name":"Tamilharazan","programe":"M.Sc","age":20,"acadami c fees":"250000","State":"karnadaka"})`

Output :

```
db.studentdetails.insertOne({"name":"Tamilharazan","programe":"M.Sc","age":20,"acadami c fees":"250000","State":"karnadaka"})
{
  acknowledged: true,
  insertedId: ObjectId('68538154934db6dd14f28e59')
}
```

2.How to inset a multiple document in Mongo DB Collection ?

Query :

- `db.studentdetails.insertMany([{"name":"Chandru","programe":"B.Tech","age":18,"academic fees":"200000","State":"TamilNadu"}, {"name":"Vishwa","programe":"B.Tech","age":20,"academicfees":"100000","State":"Karnad aka"}, {"name":"Lokesh","programe":"B.Tech","age":19,"academic fees":"150000","State":"Andra Pradesh"}, {"name":"Akash","programe":"B.Sc","age":19,"academic fees":"50000","State":"Andra Pradesh"}, {"name":"Ravishanker","programe":"B.Sc","age":18,"academic fees":"20000","State":"Tamil Nadu"}, {"name":"Prabhakaran","programe":"B.Sc","age":19,"academicfees":"30000","State":"Karna daka"}, {"name":"Rakesh","programe":"M.Sc","age":20,"academic fees":"205000","State":"Tamil Nadu"}, {"name":"Jeeve","programe":"M.Sc","age":21,"academicfees":"300000","State":"Karnadaka"}, {"name":"Giri","programe":"M.Sc","age":21,"academic fees":"450000","State":"Andra Pradesh"}])`

Output :

```
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('68537fdc934db6dd14f28e50'),
    '1': ObjectId('68537fdc934db6dd14f28e51'),
    '2': ObjectId('68537fdc934db6dd14f28e52'),
    '3': ObjectId('68537fdc934db6dd14f28e53'),
    '4': ObjectId('68537fdc934db6dd14f28e54'),
    '5': ObjectId('68537fdc934db6dd14f28e55'),
    '6': ObjectId('68537fdc934db6dd14f28e56'),
    '7': ObjectId('68537fdc934db6dd14f28e57'),
    '8': ObjectId('68537fdc934db6dd14f28e58')
  }
}
```

3.How do you find all documents in a Collections ?

Query :

➤ db.studentdetails.find();

Output :

```
> db.studentdetails.find();
< {
  _id: ObjectId('68537fdc934db6dd14f28e50'),
  name: 'Chandru',
  programe: 'B.Tech',
  age: 18,
  'acadamic fees': '200000',
  State: 'Tamil Nadu'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e51'),
  name: 'Vishwa',
  programe: 'B.Tech',
  age: 20,
  'acadamic fees': '100000',
  State: 'Karnadaka'
}
```

```
{
  _id: ObjectId('68537fdc934db6dd14f28e52'),
  name: 'Lokesh',
  programe: 'B.Tech',
  age: 19,
  'acadamic fees': '150000',
  State: 'Andra Pradesh'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e53'),
  name: 'Akash',
  programe: 'B.Sc',
  age: 19,
  'acadamic fees': '50000',
  State: 'Andra Pradesh'
}
```

```
{
  _id: ObjectId('68537fdc934db6dd14f28e54'),
  name: 'Ravishanker',
  programe: 'B.Sc',
  age: 18,
  'acadamic fees': '20000',
  State: 'Tamil Nadu'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e55'),
  name: 'Prabhakaran',
  programe: 'B.Sc',
  age: 19,
  'acadamic fees': '30000',
  State: 'Karnadaka'
}
```

```
{
  _id: ObjectId('68537fdc934db6dd14f28e56'),
  name: 'Rakesh',
  programe: 'M.Sc',
  age: 20,
  'acadamic fees': '205000',
  State: 'Tamil Nadu'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e57'),
  name: 'Jeeve',
  programe: 'M.Sc',
  age: 21,
  'acadamic fees': '300000',
  State: 'Karnadaka'
}
```

```
{
  _id: ObjectId('68537fdc934db6dd14f28e58'),
  name: 'Giri',
  programe: 'M.Sc',
  age: 21,
  'acadamic fees': '450000',
  State: 'Andra Pradesh'
}
{
  _id: ObjectId('68538154934db6dd14f28e59'),
  name: 'Tamilharazan',
  programe: 'M.Sc',
  age: 20,
  'acadamic fees': '250000',
  State: 'karnadaka'
}
```

4.How do you find a documents where field equals to numeric value?

Query :

➤ `db.studentdetails.find({"programe":"B.Tech"})`

Output :

```
> db.studentdetails.find({"programe":"B.Tech"})
< {
  _id: ObjectId('68537fdc934db6dd14f28e50'),
  name: 'Chandru',
  programe: 'B.Tech',
  age: 18,
  'acadamic fees': '200000',
  State: 'Tamil Nadu'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e51'),
  name: 'Vishwa',
  programe: 'B.Tech',
  age: 20,
  'acadamic fees': '100000',
  State: 'Karnadaka'
}
```

```
{
  _id: ObjectId('68537fdc934db6dd14f28e52'),
  name: 'Lokesh',
  programe: 'B.Tech',
  age: 19,
  'acadamic fees': '150000',
  State: 'Andra Pradesh'
}
```

5.How to you find the documents were numeric field graterthan value ?

Query :

➤ `db.studentdetails.find({age :{$gt :20}});`

Output :

```
> db.studentdetails.find({age :{$gt :20}});
< {
  _id: ObjectId('68537fdc934db6dd14f28e57'),
  name: 'Jeeve',
  programe: 'M.Sc',
  age: 21,
  'acadamic fees': '300000',
  State: 'Karnadaka'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e58'),
  name: 'Giri',
  programe: 'M.Sc',
  age: 21,
  'acadamic fees': '450000',
  State: 'Andra Pradesh'
}
```

6.How to you find the documents numeric value is less than the field ?

Query :

➤ `db.studentdetails.find({age :{$lt :19}})`

Output :

```

> db.studentdetails.find({age :{$lt :19}})
< {
  _id: ObjectId('68537fdc934db6dd14f28e50'),
  name: 'Chandru',
  programe: 'B.Tech',
  age: 18,
  'acadamic fees': '200000',
  State: 'Tamil Nadu'
}
{
  _id: ObjectId('68537fdc934db6dd14f28e54'),
  name: 'Ravishanker',
  programe: 'B.Sc',
  age: 18,
  'acadamic fees': '200000',
  State: 'Tamil Nadu'
}

```

7.How do you find multiple documents using AND logical operator ?

Query :

```
➤ db.studentdetails.find({$and: [{ age: { $gt: 18 } },{ State: "Tamil Nadu" }]});
```

Output :

```

> db.studentdetails.find({$and: [{ age: { $gt: 18 } },{ State: "Tamil Nadu" }]});
< {
  _id: ObjectId('68537fdc934db6dd14f28e56'),
  name: 'Rakesh',
  programe: 'M.Sc',
  age: 20,
  'acadamic fees': '205000',
  State: 'Tamil Nadu'
}

```