

MongoDB_Lab1

1 – open mongo shell and view the help

```
mongosh mongodb://127.0.0.1:27021/
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

-----
test> show dbs
admin    40.00 KiB
config  108.00 KiB
local    40.00 KiB
test> help

Shell Help:

use          Set current database
show         'show databases'/'show dbs': Print a list of all available databases.
             'show collections'/'show tables': Print a list of all collections for current database.
             'show profile': Prints system.profile information.
             'show users': Print a list of all users for current database.
             'show roles': Print a list of all roles for current database.
             'show log <type>': log for current connection, if type is not set uses 'global'
             'show logs': Print all logs.

exit         Quit the MongoDB shell with exit/exit()/.exit
quit         Quit the MongoDB shell with quit/quit()
Mongo       Create a new connection and return the Mongo object. Usage: new Mongo(uri[, options [optional]])
connect      Create a new connection and return the Database object. Usage: connect(uri[, options [optional]])
```

2 – identify your current working database and show list of available databases

```
test> show dbs
admin    40.00 KiB
config  72.00 KiB
local    40.00 KiB
test>
```

3 – create a new database called iti and create a collection named “students”. Insert whatever data you want about yourself (include name and age in your details).

```
iti> db.students.insert({"name":"ahmed tahoun","age":"25"})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("63f4e8251fabed42b6d0493d") }
}
iti>
```

4– show list of available databases. What did you notice ?

```
iti> show dbs
admin      40.00 KiB
config    108.00 KiB
iti        40.00 KiB
local      40.00 KiB
iti>
```

5 – Insert un-structured or semi-structured data for 10 of your friends (include name and age in your details. The documents should have different types of data i.e. arrays, strings, documents, integers).

```
iti> db.students.find()
[
  {
    _id: ObjectId("63f4e8251fabed42b6d0493d"),
    name: 'ahmed tahoun',
    age: '25'
  },
  {
    _id: 1,
    firstName: 'ahmed',
    lastName: 'mohamed',
    age: 30,
    email: [ 'ahme@gmail.com', 'ahdsj@yahoo.com' ]
  },
  {
    _id: 2,
    firstName: 'Sachin',
    lastName: 'T',
    age: 25,
    email: [ 'sachin.t@abc.com', 'sha@yahoo.com' ]
  },
  {
    _id: 3,
    firstName: 'mazen',
    lastName: 'ahmed',
    age: 30,
    email: [ 'mazen@gmail.com', 'ma@yahoo.com' ]
  },
  {
    _id: 4,
    firstName: 'abdullah',
    lastName: 'tahoun',
    age: 21,
    email: [ 'ahmesdfd@gmail.com', 'said@yahoo.com' ]
  },
  {
    _id: 5,
```

```

{
  _id: 5,
  firstName: 'zayed',
  lastName: 'mohammed',
  age: 22,
  email: [ 'zayed@gmail.com', 'zayed@yahoo.com' ]
},
{
  _id: 6,
  firstName: 'abduLrahman',
  lastName: 'said',
  age: 23,
  email: [ 'abdo@gmail.com', 'abdo@yahoo.com' ]
},
{
  _id: 7,
  firstName: 'khaled',
  lastName: 'abdullah',
  age: 23,
  email: [ 'khaled@gmail.com', 'khaled@yahoo.com' ]
},
{
  _id: 8,
  firstName: 'hisham',
  lastName: 'said',
  age: 24,
  email: [ 'hisham@gmail.com', 'hisham@yahoo.com' ]
},
{
  _id: 9,
  firstName: 'yasser',
  lastName: 'abdo',
  age: 20,
  email: [ 'yasser@gmail.com', 'yasser@yahoo.com' ]
},
{
  _id: 10,
  firstName: 'zain',

```

6 – Search for your object by name.

```

iti> db.students.findOne({firstName:"zain"})
{
  _id: 10,
  firstName: 'zain',
  lastName: 'ahmed',
  age: 25,
  email: [ 'zain@gmail.com', 'zain@yahoo.com' ]
}

```

7– Search for your friend(s) by age.

```
iti> db.students.find({age:30})
[
  {
    _id: 1,
    firstName: 'ahmed',
    lastName: 'mohamed',
    age: 30,
    email: [ 'ahme@gmail.com', 'ahdsj@yahoo.com' ]
  },
  {
    _id: 3,
    firstName: 'mazen',
    lastName: 'ahmed',
    age: 30,
    email: [ 'mazen@gmail.com', 'ma@yahoo.com' ]
  }
]
```

8 – Search for all of your friends whose age is older than yours.

```

iti> db.students.find({age:{$gt:24}})
[
  {
    _id: 1,
    firstName: 'ahmed',
    lastName: 'mohamed',
    age: 30,
    email: [ 'ahme@gmail.com', 'ahdsj@yahoo.com' ]
  },
  {
    _id: 2,
    firstName: 'Sachin',
    lastName: 'T',
    age: 25,
    email: [ 'sachin.t@abc.com', 'sha@yahoo.com' ]
  },
  {
    _id: 3,
    firstName: 'mazen',
    lastName: 'ahmed',
    age: 30,
    email: [ 'mazen@gmail.com', 'ma@yahoo.com' ]
  },
  {
    _id: 10,
    firstName: 'zain',
    lastName: 'ahmed',
    age: 25,
    email: [ 'zain@gmail.com', 'zain@yahoo.com' ]
  }
]

```

9 – delete any of your friends by id.

```

iti> db.students.deleteOne({_id:10})
{ acknowledged: true, deletedCount: 1 }

```

```

    firstName: 'hisham',
    lastName: 'said',
    age: 24,
    email: [ 'hisham@gmail.com', 'hisham@yahoo.com' ]
  },
  {
    _id: 9,
    firstName: 'yasser',
    lastName: 'abdo',
    age: 20,
    email: [ 'yasser@gmail.com', 'yasser@yahoo.com' ]
  }
]
iti>

```

10 – view all documents in students collection in a prettified format.

```

iti> db.students.find().pretty()
[
  {
    _id: ObjectId("63f4e8251fabed42b6d0493d"),
    name: 'ahmed tahoun',
    age: '25'
  },
  {
    _id: 1,
    firstName: 'ahmed',
    lastName: 'mohamed',
    age: 30,
    email: [ 'ahme@gmail.com', 'ahdsj@yahoo.com' ]
  },
  {
    _id: 2,
    firstName: 'Sachin',
    lastName: 'T',
    age: 25,
    email: [ 'sachin.t@abc.com', 'sha@yahoo.com' ]
  },
  {
    _id: 3,
    firstName: 'mazen',
    lastName: 'ahmed',
    age: 30,
    email: [ 'mazen@gmail.com', 'ma@yahoo.com' ]
  },
  {
    _id: 4,

```

11 – count all documents in students collection.

```
iti> db.students.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or
estimatedDocumentCount.
10
iti>
```

part 2

1- Create database with name ems

2- Insert the following data into "faculty" collection

```
{ "name": "Krish", "age": 35, "gender": "M", "exp": 10, "subjects": ["DS", "C", "OS"], "type": "Full Time", "qualification": "M.Tech" },
{ "name": "Manoj", "age": 38, "gender": "M", "exp": 12, "subjects": ["JAVA", "DBMS"], "type": "Full Time", "qualification": "Ph.D"},
{ "name": "Anush", "age": 32, "gender": "F", "exp": 8, "subjects": ["C", "CPP"], "type": "Part Time", "qualification": "M.Tech" },
{ "name": "Suresh", "age": 40, "gender": "M", "exp": 9, "subjects": ["JAVA", "DBMS", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D"},
{ "name": "Rajesh", "age": 35, "gender": "M", "exp": 7, "subjects": ["DS", "C", "OS"], "type": "Full Time", "qualification": "M.Tech" },
{ "name": "Mani", "age": 38, "gender": "F", "exp": 10, "subjects": ["JAVA", "DBMS", "OS"], "type": "Part Time", "qualification": "Ph.D"},
{ "name": "Sivani", "age": 32, "gender": "F", "exp": 8, "subjects": ["C", "CPP", "MATHS"], "type": "Part Time", "qualification": "M.Tech" },
{ "name": "Nagesh", "age": 39, "gender": "M", "exp": 11, "subjects": ["JAVA", "DBMS", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D"},
{ "name": "Nagesh", "age": 35, "gender": "M", "exp": 9, "subjects": ["JAVA", ".Net", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D"},
{ "name": "Latha", "age": 40, "gender": "F", "exp": 13, "subjects": ["MATHS"], "type": "Full Time", "qualification": "Ph.D" }
```


1. Get the details of all the faculty.

```
ems> db.faculty.find()
[
  {
    _id: ObjectId("63f4fba21fabed42b6d0493e"),
    name: 'Krish',
    age: 35,
    gender: 'M',
    exp: 10,
    subjects: [ 'DS', 'C', 'OS' ],
    type: 'Full Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d0493f"),
    name: 'Manoj',
    age: 38,
    gender: 'M',
    exp: 12,
    subjects: [ 'JAVA', 'DBMS' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04940"),
    name: 'Anush',
    age: 32,
    gender: 'F',
    exp: 8,
    subjects: [ 'C', 'CPP' ],
    type: 'Part Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04941"),
    name: 'Suresh',
    age: 40,
    gender: 'M',
    exp: 9,
```

```

    exp: 9,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabled42b6d04942"),
    name: 'Rajesh',
    age: 35,
    gender: 'M',
    exp: 7,
    subjects: [ 'DS', 'C', 'OS' ],
    type: 'Full Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabled42b6d04943"),
    name: 'Mani',
    age: 38,
    gender: 'F',
    exp: 10,
    subjects: [ 'JAVA', 'DBMS', 'OS' ],
    type: 'Part Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabled42b6d04944"),
    name: 'Sivani',
    age: 32,
    gender: 'F',
    exp: 8,
    subjects: [ 'C', 'CPP', 'MATHS' ],
    type: 'Part Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabled42b6d04945"),

```

```

{
  _id: ObjectId("63f4fba21fabed42b6d04945"),
  name: 'Nagesh',
  age: 39,
  gender: 'M',
  exp: 11,
  subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04946"),
  name: 'Nagesh',
  age: 35,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', '.Net', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04947"),
  name: 'Latha',
  age: 40,
  gender: 'F',
  exp: 13,
  subjects: [ 'MATHS' ],
  type: 'Full Time',
  qualification: 'Ph.D'
}
]
ems>

```

2. Get the count of all faculty members

```

ems> db.faculty.count()
10

```

3. Get all the faculty members whose qualification is "Ph.D".

```
ems> db.faculty.find({qualification:"Ph.D"})
[
  {
    _id: ObjectId("63f4fba21fabed42b6d0493f"),
    name: 'Manoj',
    age: 38,
    gender: 'M',
    exp: 12,
    subjects: [ 'JAVA', 'DBMS' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04941"),
    name: 'Suresh',
    age: 40,
    gender: 'M',
    exp: 9,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04943"),
    name: 'Mani',
    age: 38,
    gender: 'F',
    exp: 10,
    subjects: [ 'JAVA', 'DBMS', 'OS' ],
    type: 'Part Time',
    qualification: 'Ph.D'
  },
]
```

```
{
  _id: ObjectId("63f4fba21fabed42b6d04945"),
  name: 'Nagesh',
  age: 39,
  gender: 'M',
  exp: 11,
  subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04946"),
  name: 'Nagesh',
  age: 35,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', '.Net', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04947"),
  name: 'Latha',
  age: 40,
  gender: 'F',
  exp: 13,
  subjects: [ 'MATHS' ],
  type: 'Full Time',
  qualification: 'Ph.D'
}
]
ems>
```

4. Get all the faculty members whose experience is between 8 to 12 years.

```
ems> db.faculty.find({exp:{$gt:7,$lt:13}})
[
  {
    _id: ObjectId("63f4fba21fabed42b6d0493e"),
    name: 'Krish',
    age: 35,
    gender: 'M',
    exp: 10,
    subjects: [ 'DS', 'C', 'OS' ],
    type: 'Full Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d0493f"),
    name: 'Manoj',
    age: 38,
    gender: 'M',
    exp: 12,
    subjects: [ 'JAVA', 'DBMS' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04940"),
    name: 'Anush',
    age: 32,
    gender: 'F',
    exp: 8,
    subjects: [ 'C', 'CPP' ],
    type: 'Part Time',
    qualification: 'M.Tech'
  },
]
```

```
{
  _id: ObjectId("63f4fba21fabed42b6d04941"),
  name: 'Suresh',
  age: 40,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04943"),
  name: 'Mani',
  age: 38,
  gender: 'F',
  exp: 10,
  subjects: [ 'JAVA', 'DBMS', 'OS' ],
  type: 'Part Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04944"),
  name: 'Sivani',
  age: 32,
  gender: 'F',
  exp: 8,
  subjects: [ 'C', 'CPP', 'MATHS' ],
  type: 'Part Time',
  qualification: 'M.Tech'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04945"),
  name: 'Nagesh',
  age: 39,
  gender: 'M',
  exp: 11,
  subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
```

```

{
  _id: ObjectId("63f4fba21fabed42b6d04946"),
  name: 'Nagesh',
  age: 35,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', '.Net', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
}

```

ms>

5. Get all the faculty members who teach “MATHS” or “NETWORKING”.

```

ems> db.faculty.find({subjects:{$in:["MATHS","NETWORKING"]}})

```

```

[
  {
    _id: ObjectId("63f4fba21fabed42b6d04941"),
    name: 'Suresh',
    age: 40,
    gender: 'M',
    exp: 9,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04944"),
    name: 'Sivani',
    age: 32,
    gender: 'F',
    exp: 8,
    subjects: [ 'C', 'CPP', 'MATHS' ],
    type: 'Part Time',
    qualification: 'M.Tech'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04945"),
    name: 'Nagesh',
    age: 39,
    gender: 'M',
    exp: 11,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },

```



```

{
  _id: ObjectId("63f4fba21fabed42b6d04946"),
  name: 'Nagesh',
  age: 35,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', '.Net', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04947"),
  name: 'Latha',
  age: 40,
  gender: 'F',
  exp: 13,
  subjects: [ 'MATHS' ],
  type: 'Full Time',
  qualification: 'Ph.D'
}
]

```

6. Get all the faculty members who teach “MATHS” and whose age is more than 30 years and qualification must be “Ph.D”.

```

ems> db.faculty.find({subjects:"MATHS",age:{$gt:30},qualification:"Ph.D"})
[
  {
    _id: ObjectId("63f4fba21fabed42b6d04947"),
    name: 'Latha',
    age: 40,
    gender: 'F',
    exp: 13,
    subjects: [ 'MATHS' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  }
]

```

7. Get all the faculty members who are working part-time or who teach "JAVA".

```
ems> db.faculty.find({$or:[{subjects:"JAVA"},{type:"Part time"}]})
[
  {
    _id: ObjectId("63f4fba21fabed42b6d0493f"),
    name: 'Manoj',
    age: 38,
    gender: 'M',
    exp: 12,
    subjects: [ 'JAVA', 'DBMS' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04941"),
    name: 'Suresh',
    age: 40,
    gender: 'M',
    exp: 9,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04943"),
    name: 'Mani',
    age: 38,
    gender: 'F',
    exp: 10,
    subjects: [ 'JAVA', 'DBMS', 'OS' ],
    type: 'Part Time',
    qualification: 'Ph.D'
  },
]
```

```

{
  _id: ObjectId("63f4fba21fabed42b6d04945"),
  name: 'Nagesh',
  age: 39,
  gender: 'M',
  exp: 11,
  subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
},
{
  _id: ObjectId("63f4fba21fabed42b6d04946"),
  name: 'Nagesh',
  age: 35,
  gender: 'M',
  exp: 9,
  subjects: [ 'JAVA', '.Net', 'NETWORKING' ],
  type: 'Full Time',
  qualification: 'Ph.D'
}
]

```

8. Add the following new faculty members:

```

{ "name": "Suresh Babu", "age": 55, "gender": "M", "exp": 25, "subjects":
["MATHS", "DE"], "type": "Full Time", "qualification": "Ph.D"}

```

```

ems> db.faculty.insert({ "name": "Suresh Babu", "age": 55, "gender": "M", "exp": 25, "subjects": ["MATHS", "DE"], "type": "Full Time", "qualification": "Ph.D" })
ems> db.faculty.insertOne({ "name": "Suresh Babu", "age": 55, "gender": "M", "exp": 25, "subjects": ["MATHS", "DE"], "type": "Full Time", "qualification": "Ph.D" })
{
  acknowledged: true,
  insertedId: ObjectId("63f5370c133228dcd714ad82")
}

```

9. Update the data of all faculty members by incrementing their age and exp by one year.

```
ems> db.faculty.updateMany({}, {$inc:{age:1,exp:1}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 11,
  modifiedCount: 11,
  upsertedCount: 0
}
ems>
```

10. Update the faculty “Sivani” with the following data: update qualification to “Ph.D” and type to “Full Time”.

```
ems> db.faculty.updateOne({name:"Sivani"}, {$set:{qualification:"Ph.D",type:"Full Time"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
}
ems>
```

11. Update all faculty members who are teaching “MATHS” such that they should now also teach “PSK”.

```
ems> db.faculty.updateMany({subjects:"MATHS"}, {$push:{subjects:"PSK"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
ems>
```

12. Delete all faculty members whose age is more than 55 years.

```
ems> db.faculty.deleteMany({age:{$gt:55}})
{ acknowledged: true, deletedCount: 1 }
ems>
```

13. Get only the name and qualification of all faculty members.

```
ems> db.faculty.find({}, {_id:0,name:1,qualification:1})
[
  { name: 'Krish', qualification: 'M.Tech' },
  { name: 'Manoj', qualification: 'Ph.D' },
  { name: 'Anush', qualification: 'M.Tech' },
  { name: 'Suresh', qualification: 'Ph.D' },
  { name: 'Rajesh', qualification: 'M.Tech' },
  { name: 'Mani', qualification: 'Ph.D' },
  { name: 'Sivani', qualification: 'Ph.D' },
  { name: 'Nagesh', qualification: 'Ph.D' },
  { name: 'Nagesh', qualification: 'Ph.D' },
  { name: 'Latha', qualification: 'Ph.D' }
]
ems>
```

14. Get the name, qualification and exp of all faculty members and display the same in ascending order of exp.

```
ems> db.faculty.find({}, { _id: 0,name:1 ,qualification: 1, exp: 1 }).sort({ exp: 1 })
[
  { name: 'Rajesh', exp: 8, qualification: 'M.Tech' },
  { name: 'Anush', exp: 9, qualification: 'M.Tech' },
  { name: 'Sivani', exp: 9, qualification: 'Ph.D' },
  { name: 'Suresh', exp: 10, qualification: 'Ph.D' },
  { name: 'Nagesh', exp: 10, qualification: 'Ph.D' },
  { name: 'Krish', exp: 11, qualification: 'M.Tech' },
  { name: 'Mani', exp: 11, qualification: 'Ph.D' },
  { name: 'Nagesh', exp: 12, qualification: 'Ph.D' },
  { name: 'Manoj', exp: 13, qualification: 'Ph.D' },
  { name: 'Latha', exp: 14, qualification: 'Ph.D' }
]
ems>
```

15. Sort the faculty details by their age (descending order) and get the details of the first five faculty members only.

```
ems> db.faculty.find({}).sort({age:-1}).limit(5)
[
  {
    _id: ObjectId("63f4fba21fabed42b6d04947"),
    name: 'Latha',
    age: 41,
    gender: 'F',
    exp: 14,
    subjects: [ 'MATHS', 'PSK' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04941"),
    name: 'Suresh',
    age: 41,
    gender: 'M',
    exp: 10,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
  {
    _id: ObjectId("63f4fba21fabed42b6d04945"),
    name: 'Nagesh',
    age: 40,
    gender: 'M',
    exp: 12,
    subjects: [ 'JAVA', 'DBMS', 'NETWORKING' ],
    type: 'Full Time',
    qualification: 'Ph.D'
  },
]
```

```
_id: ObjectId("63f4fba21fabed42b6d04943"),
name: 'Mani',
age: 39,
gender: 'F',
exp: 11,
subjects: [ 'JAVA', 'DBMS', 'OS' ],
type: 'Part Time',
qualification: 'Ph.D'
},
{
_id: ObjectId("63f4fba21fabed42b6d0493f"),
name: 'Manoj',
age: 39,
gender: 'M',
exp: 13,
subjects: [ 'JAVA', 'DBMS' ],
type: 'Full Time',
qualification: 'Ph.D'
}
]
ems>
```