2. Complete mongodb ex1 and mongodb ex2 with the mongoclient object you just created in Node.is.

#### 1) Create a Database called student

```
var MongoCtient = require('mongodb').MongoCtient;
2 //Create a database named middle
3 var urt = 'mongodb'/Accathosti27917/studentth;
4
MongoCtient.commect(url, function(err, db) {
    if (err) throw err;
        console.log('Database created!');
    db.close();
    });
}
```

#### 2) Create a collection called student marks

```
1 ver MongoClient = require('mongodb').MongoClient;
2 ver url = "mongodb://tocalhost:27017/student";
3 MongoClient.connect(url, function(err, db) {
3 if (err) throw err;
4 ver ukl = db.db('student");
5 ver ukl = db.db('student marks', function(err, res) {
5 if (err) throw err;
6 console.log('Collection created!");
7 db.close();
8 if (err) throw err;
9 console.log('Collection created!");
10 db.close();
11 });
12 });
```

#### 3) Create the documents listed in above table.

```
var MongoCtient = require('mongodb').MongoCtient;
var urt = "mongodb://Localhost:27817/*;

RongoCtient.connect(urt, function(err, db) {
   if (err) throw err;
   var wob = "do do.db("student");
   var wob = "do do.db("student");
   var wob = "do do.db("student");
   (name: 'Mala', maths_marks: 45, english_marks: 53, science_marks: 72),
   (name: 'Venu', maths_marks: 80, english_marks: 75, science_marks: 85),
   (name: 'Venu', maths_marks: 20, english_marks: 65, science_marks: 80),
   (name: 'Arult', maths_marks: 75, english_marks: 86, science_marks: 80),
   (name: 'Namara'n, maths_marks: 72, english_marks: 75, science_marks: 84),
   (name: 'Namara'n, maths_marks: 72, english_marks: 75, science_marks: 84),
   (name: 'Ukun', maths_marks: 66, english_marks: 90, science_marks: 85),
   (name: 'Ukun', maths_marks: 41, english_marks: 65, science_marks: 85),
   (name: 'Roam', maths_marks: 41, english_marks: 65, science_marks: 88)

ido.collection("student_marks").insertMany(myob), function(err, res) {
   if (err) throw err;
   console_log("Hubber of documents inserted: " * res.insertedCount);
   db:close();
}
}
}
```

4) Increase the maths marks of Mala by 6 marks

```
File Edit View Selection Find Packages Help

qus1/s qus2/s qus3/s qus3/s qus4/s qus5/s qus6/s qus7/s qus8/s qus9/s qus10/s qus11/s qus12/s qus13/s qus13/s qus14/s qus15/s

1 var MongoClient = require('mongodb').MongoClient;

2 var urt = "mongodb')/Localhost:27817/";

3 MongoClient.connect(urt, function(err, db) {

5 if (err) throw err;

6 var dbo = db/db('student');

7 var myquery = (mach: "Mala")

war myquery = (funct (mach: marks: 0));

different throw err;

10 if (err) throw err)

11 var mongodb')/docalhost:27817/";

12 var urt = "mongodb')/docalhost:27817/";

13 var mongodb')/docalhost:27817/";

14 console.log('1 document updated');

15 if (err) throw err)

16 var dbo = db/db('student');

17 var myquery = (funct (marks: Mala"))

18 var mongodb')/docalhost:27817/";

19 var mongodb')/docalhost:27817/";

20 var urt = "mongodb')/docalhost:27817/";

21 var urt = "mongodb')/docalhost:27817/";

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23 var urt = "mongodb')/docalhost:27817/";

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20 var urt = "mongodb')/docalhost:27817/";

21 var urt = "mongodb')/docalhost:27817/";

22 var urt = "mongodb')/docalhost:27817/";

23 var urt = "mongodb')/docalhost:27817/";

24 var urt = "mongodb')/docalhost:27817/";

25 var urt = "mongodb')/docalhost:27817/"
```

#### 5) List the names of students who got more than 50 marks in Maths Subject.

```
1 var MongoClient = require("mongodb').MongoClient;
2 var url = "mongodb://tocahlost:27017/*;
3
4 MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("student");
7    dbo..collection("student marks").find({maths_marks: {sgt :50}, {name: true, _id: false}}).toArray(function(err, result) {
8    if (err) throw err;
9    console.log(result);
10    db.close();
11    });
12   });
```

#### 6)Add a new column(field) for Average for all students.

### 7) Update Marks\_Science=75 to Lucky.

```
var MongoCtient = require('mongodb').MongoCtient;
var url = "mongodb://tocalhost:27017';

NongoCtient = mongodb://tocalhost:27017';

NongoCtient = mongodb://tocalhost:27017';

var mongot = mongodb://tocalhost:27017';

var monguery = []

var monguery = []
```

8) List the names who got more than 50 marks in all subjects.

```
MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db, db("student");

dbo.collection("student marks").find({maths_marks: {sgt :50}, english_marks: {sgt :50}, science_marks: {sgt :50}, {name: true, _id: folse}}).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

});

});
```

9) List the names who got less than 50 marks in Maths subject and more than 50 marks in English.

```
munipodb://localhost:27017/*;

MongoClient.connect(url, function(err, db) {
   if (err) throw err;
   var dbo = db.db("student");
   db.collection("student_marks").find({maths_marks: {$lt:50}, english_marks: {$gt:50}, {name: true, _id: false}}).toArray(function(err, result) {
      if (err) throw err;
      console.log(result);
      db.close();
   });
});
```

10) List the names who got less than 40 in both Maths and Science.

```
mongodb://localhost:2701//*;

MongoClient.connect(url, function(err, db) {
    if (err) throw err;
    var dbo = db.db("student");
    db.collection("student_marks").find({maths_marks: {slt :中}, science_marks: {slt :40}, {name: true, _id: false}}).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
    });
});
```

11) Remove Science column/field for Raam.

```
var MongoClient = require('mongodh').MongoClient;
var url = 'mongodh://Localhost:27017/';

MongoClient:.connect(url, function(err, db) {
   if (err) throw err;
   var doo = d.ob('student');
   var myquery = (name: 'Raam')
   var myquery = (name: 'Raam')
   var newalues = (sinset: (science marks: 75));
   dob..collection('student marks').updatetMony(myquery, newalues, function(err, res) {
   if (err) throw err;
   console.log('l document updated');
   do.close();
}

);
}

);
```

# 12) Update John's Math mark as 87 and English mark as 23, if john not available upsert.

```
var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://Localhost;270177;

MongoClient.connect(url, function(err, db) {
    if (err) throw err;
    var dbo = db,db('student');
    var dbo = db,db('student');
    var myob] = { name: 'lhon': a maths. marks: 87, english marks: 27}
    dbo.collection('student_marks').insertOne(myob), function(err, res) {
        if (err) throw err;
        console.log('l documents inserted');
        db.close();
    });
}

3 });
```

## 13) Rename the english\_marks column/field for John to science\_marks.

```
var MongoClient = require('mongodb').MongoClient;

var url = 'mongodb://localhostiz7017/';

**MongoClient.connect(url, function(err, db) {
    if (err) throw err;
    var myquery = (name: 'lhont');
    var myquery = (name: 'lhont');
    var mewalues = {$rename: (english marks : "science_marks"});
    var newalues = {$rename: (english marks : "science_marks"});
    if (err) throw err;
    console.log("l document updated");
    db.close();
    db.close();
}

}

**Jiff ()

**Ji
```

#### 14) Remove Kumaran's document from collection

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27817/";
3 MongoClient.connect(url, function(err, db) {
3 if (err) throw err;
4 var dbo = db.db("student");
5 var wguery = {name: 'Kumaran'}
8 dbo.collection("student_marks").deleteOne(myquery, newvalues, function(err, res) {
9 if (err) throw ere:
10 console.log(") document deleted");
11 db.close();
12 });
13 });
14
```

# 15) Find Kala's or Aruli's math\_marks and science\_marks.

```
var MongoClient = require('mongodb').MongoClient;
2 var url = 'mongodb://Localhost:27017';

MongoClient.connect(url, function(err, db) {
    if (err) throw err;
    var dbo = db.dd'*student');
    dob.collection(*student_arks').find({$or:[{name:'Aruli'},{name:'kala'}]}, {maths_marks: true, science_marks: true}).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
    }
};
```