

mongodbex2.pdf - Google Drive - Google Chrome

Uki 6 Coding Accelerator | x | mongodbex2.pdf - Google | x | node.js exercise 1 process | x | +

drive.google.com/file/d/1vyjCq1dXbTUZ5Ffc-uMMLoR25Fzu1PFj/view

Apps Slackbot | UkiS... Sign Up Slack Dashboard | C... Codecademy Blogger Trello psy k7c PGPN Clrm w3scljs

MongoDB Exercise 2

name	maths_marks	english_marks	science_marks
Mala	45	53	72
Vanu	80	75	85
Kala	32	46	53
Aruli	78	85	80
Shayu	80	76	65
Kumaran	32	73	84
Lucky	66	90	45
Gva	71	75	56
Raam	41	65	88

1) Create a Database called student

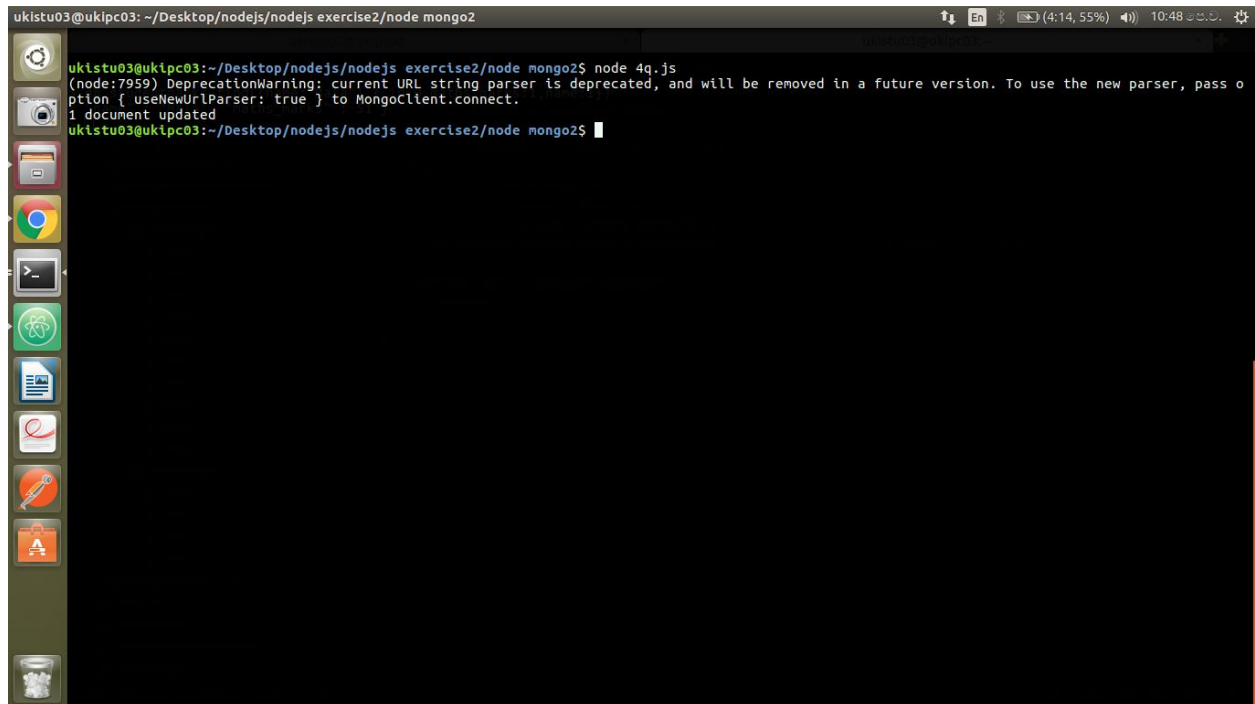
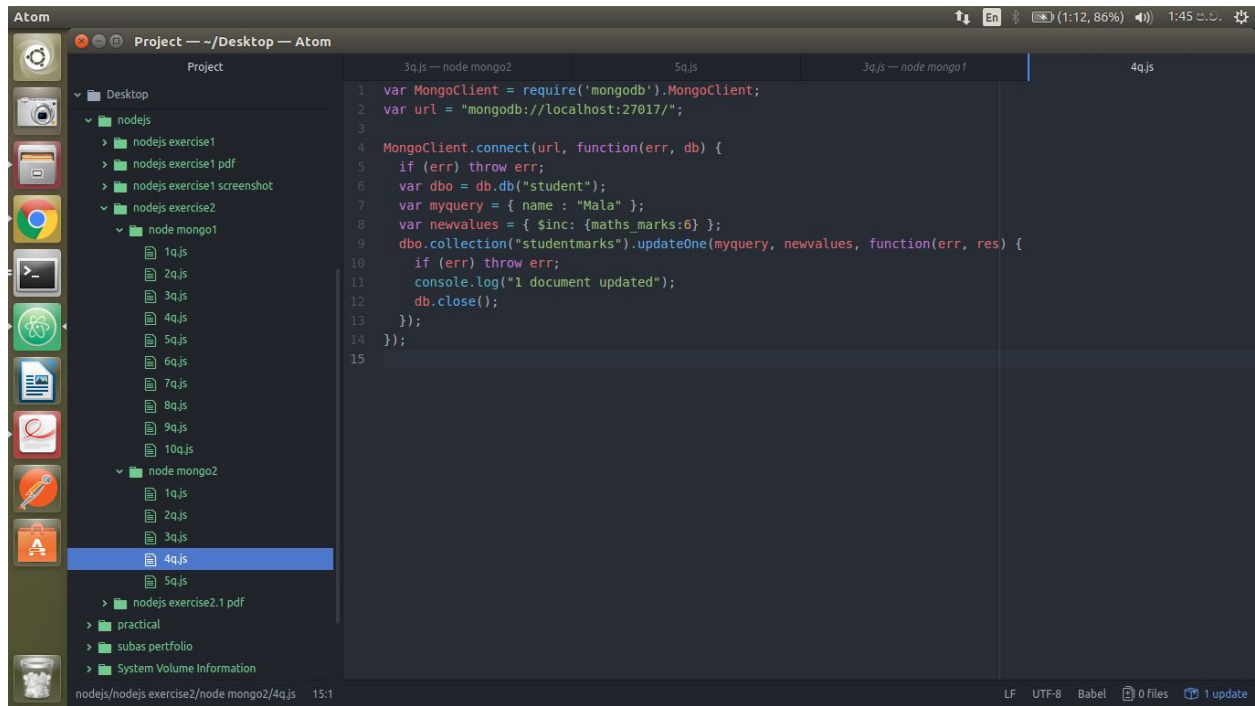
Atom

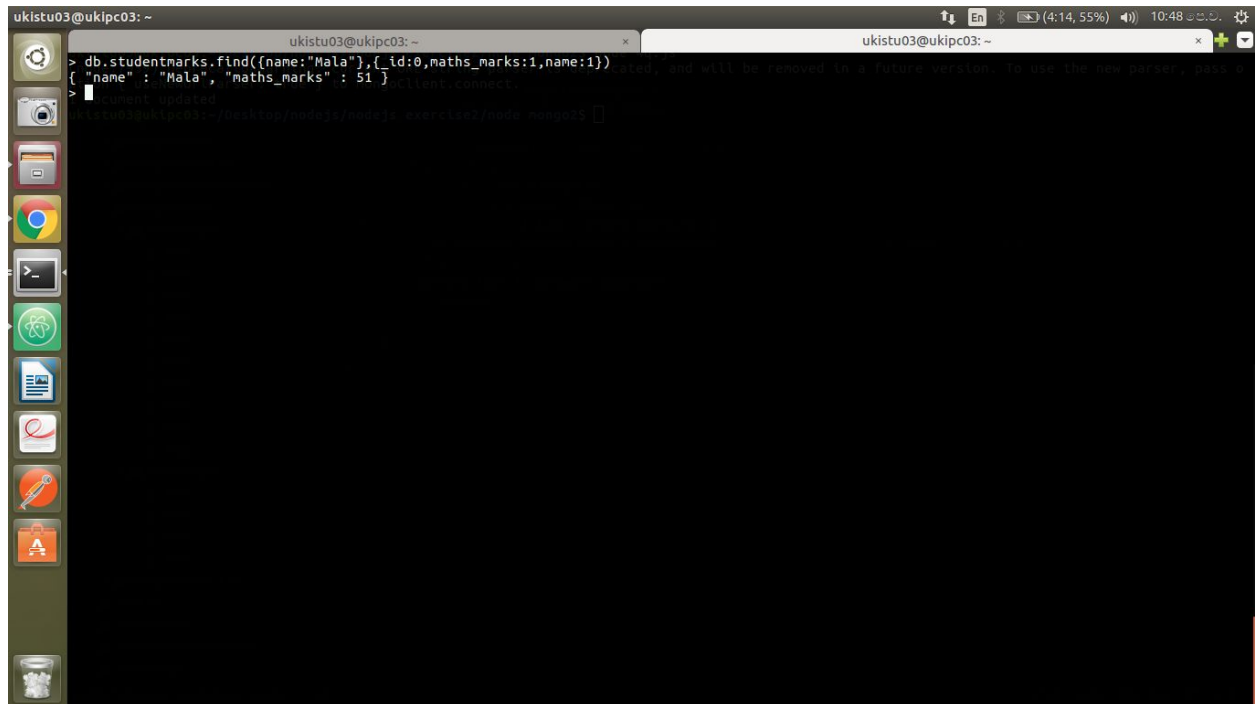
1q.js — node mongo2 — ~/Desktop — Atom

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/student";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   console.log("Database created!");
7   db.close();
8 });
9
```

nodejs/nodes exercise2/node mongo2/1q.js 9:1

LF UTF-8 Babel 0 files 1 update

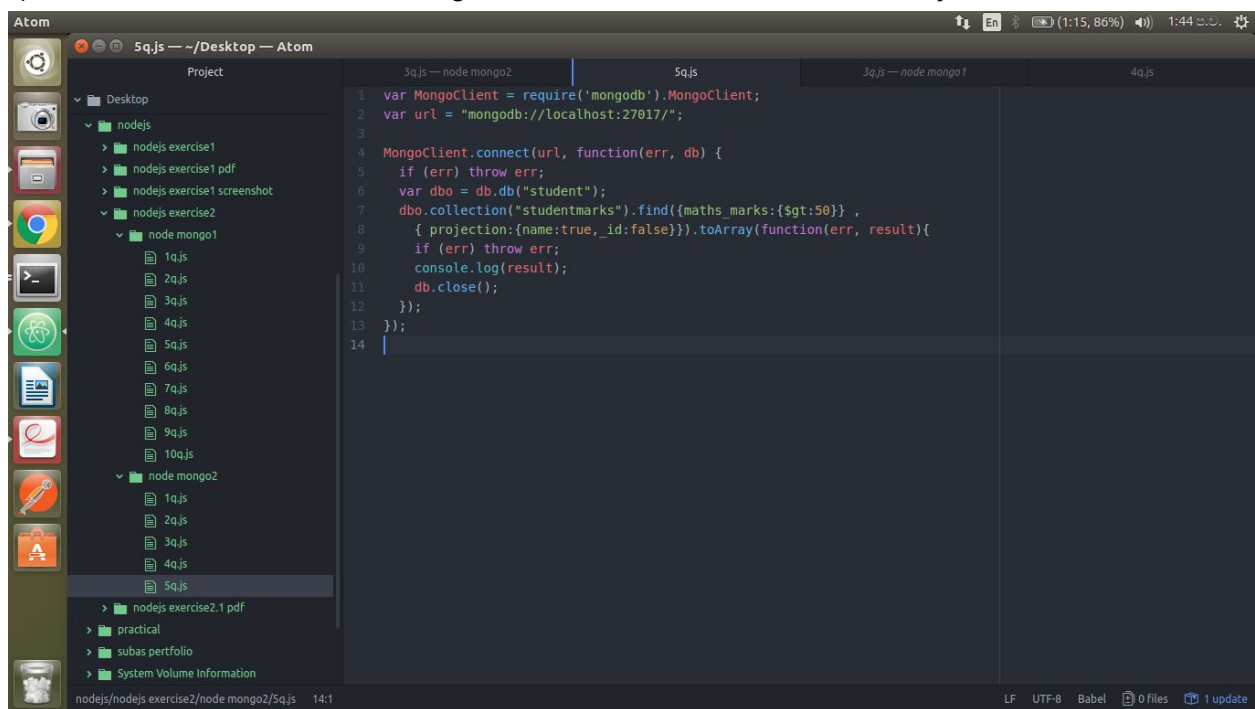




A terminal window on a Linux desktop environment. The prompt is `ukistu03@ukipc03: ~`. The user has entered the following command: `db.studentmarks.find((name:"Mala"),{ _id:0,maths_marks:1,name:1})`. The output shows a document: `{ "name" : "Mala", "maths_marks" : 51 }`. Below the output, there is a message: `document updated`. The terminal also shows the command `oclient.connect` and the path `~/Desktop/nodejs/nodejs exercise2/node mongo2$`. The desktop background is dark, and the terminal window has a light border.

```
ukistu03@ukipc03: ~  
> db.studentmarks.find((name:"Mala"),{ _id:0,maths_marks:1,name:1})  
{ "name" : "Mala", "maths_marks" : 51 }  
document updated  
oclient.connect  
~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

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



The Atom text editor interface. The left sidebar shows a project tree with the following structure: `Desktop` > `nodejs` > `nodejs exercise1` > `nodejs exercise1.pdf` > `nodejs exercise1 screenshot` > `nodejs exercise2` > `node mongo1` > `1q.js`, `2q.js`, `3q.js`, `4q.js`, `5q.js`, `6q.js`, `7q.js`, `8q.js`, `9q.js`, `10q.js` > `node mongo2` > `1q.js`, `2q.js`, `3q.js`, `4q.js`, `5q.js` > `nodejs exercise2.1.pdf` > `practical` > `subas portfolio` > `System Volume Information`. The main editor area shows a file named `5q.js` with the following code:

```
1 var MongoClient = require('mongodb').MongoClient;  
2 var url = "mongodb://localhost:27017/";  
3  
4 MongoClient.connect(url, function(err, db) {  
5   if (err) throw err;  
6   var dbo = db.db("student");  
7   dbo.collection("studentmarks").find({maths_marks:{$gt:50}} ,  
8     { projection:{name:true,_id:false}}).toArray(function(err, result){  
9     if (err) throw err;  
10    console.log(result);  
11    db.close();  
12  });  
13 });  
14
```

 The status bar at the bottom shows `nodejs/nodejs exercise2/node mongo2/5q.js` and `14:1`. The right sidebar shows `LF`, `UTF-8`, `Babel`, `0 files`, and `1 update`.


```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 5q.js
(node:8857) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
[ { name: 'Mala' },
  { name: 'Vanu' },
  { name: 'Aruli' },
  { name: 'Shayu' },
  { name: 'Lucky' },
  { name: 'Gva' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

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

```
6q.js -- ~/Desktop -- Atom
Project
  Desktop
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
          10q.js
        node mongo2
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
      nodejs exercise2.1 pdf
      practical
      subas portfolio
      System Volume Information

6q.js
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   var myquery = {};
8   var newvalues = { $set: {average:{}} };
9   dbo.collection("studentmarks").updateMany(myquery, newvalues, function(err, res) {
10     if (err) throw err;
11     console.log(*1 field updated*);
12     db.close();
13   });
14 });
15
```

```
ukistu03@ukipc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 6q.js
(node:13691) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
1 field updated
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

```
ukistu03@ukipc03: ~
> db.studentmarks.find({},{_id:0})
{ "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "average" : { } }
{ "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "average" : { } }
{ "name" : "Kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53, "average" : { } }
{ "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "average" : { } }
{ "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "average" : { } }
{ "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84, "average" : { } }
{ "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 45, "average" : { } }
{ "name" : "Gva", "maths_marks" : 71, "english_marks" : 65, "science_marks" : 56, "average" : { } }
{ "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "average" : { } }
```

7) Update Marks_Science=75 to Lucky .

7q.js -- ~/Desktop -- Atom

Project

- Desktop
 - nodejs
 - nodejs exercise1
 - nodejs exercise1 pdf
 - nodejs exercise1 screenshot
 - nodejs exercise2
 - node mongo1
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - 8q.js
 - 9q.js
 - 10q.js
 - node mongo2
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - nodejs exercise2.1 pdf
 - practical
 - subas portfolio

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   var myquery = { name : "Lucky" };
8   var newvalues = { $set: {science_marks:75} };
9   dbo.collection("studentmarks").updateOne(myquery, newvalues, function(err, res) {
10     if (err) throw err;
11     console.log("1 document updated");
12     db.close();
13   });
14 });
15
```

nodejs/nodejs exercise2/node mongo2/7q.js 8:25

LF UTF-8 Babel 0 files 1 update

ukistu03@ukipc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2

```
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 7q.js
(node:13994) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
1 document updated
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

```
ukistu03@ukipc03: ~  
> db.studentmarks.find((name:"Lucky"),{_id:0})  
{  
  "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "average" : { }  
}
```

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

```
8q.js -- ~/Desktop -- Atom  
Project  
  Desktop  
    nodejs  
      nodejs exercise1  
      nodejs exercise1 pdf  
      nodejs exercise1 screenshot  
      nodejs exercise2  
        node mongo1  
          1q.js  
          2q.js  
          3q.js  
          4q.js  
          5q.js  
          6q.js  
          7q.js  
          8q.js  
          9q.js  
          10q.js  
        node mongo2  
          1q.js  
          2q.js  
          3q.js  
          4q.js  
          5q.js  
          6q.js  
          7q.js  
          8q.js  
      nodejs exercise2.1 pdf  
      practical  
nodejs/nodejs exercise2/node mongo2/8q.js 15:1  
LF UTF-8 Babel 0 files 1 update  
1 var MongoClient = require('mongodb').MongoClient;  
2 var url = "mongodb://localhost:27017/";  
3  
4 MongoClient.connect(url, function(err, db) {  
5   if (err) throw err;  
6   var dbo = db.db("student");  
7   dbo.collection("studentmarks").find({$and:[{maths_marks:{>:50}},  
8     {science_marks:{>:50}},{english_marks:{>:50}} ]} ,  
9     { projection:{name:true,_id:false}}).toArray(function(err, result){  
10    if (err) throw err;  
11    console.log(result);  
12    db.close();  
13  });  
14 });  
15
```

```
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 8q.js
(node:14156) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
[ { name: 'Mala' },
  { name: 'Vanu' },
  { name: 'Aruli' },
  { name: 'Shayu' },
  { name: 'Lucky' },
  { name: 'Gva' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

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

```
9q.js -- ~/Desktop -- Atom
Project
  Desktop
    nodejs
      nodejs exercise1
      nodejs exercise1.pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
          10q.js
        node mongo2
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
      nodejs exercise2.1.pdf
nodejs/nodejs exercise2/node mongo2/9q.js 15:1
LF UTF-8 Babel 0 files 1 update

1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   dbo.collection("studentmarks").find({$and:[{maths_marks:{$lt:50}},
8     {english_marks:{$gt:50}} ]} ,
9     { projection:{name:true,_id:false}}).toArray(function(err, result){
10     if (err) throw err;
11     console.log(result);
12     db.close();
13   });
14 });
15
```

```
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 9q.js
(node:14267) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
[ { name: 'Kunaran' }, { name: 'Raam' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

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

```
10q.js -- ~/Desktop -- Atom
Project
  Desktop
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
          10q.js
        node mongo2
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
          10q.js
nodejs/nodejs exercise2/node mongo2/10q.js 15:1
LF UTF-8 Babel 0 files 1 update

1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   dbo.collection("studentmarks").find({$and:[{maths_marks:{$lt:40}},
8     {science_marks:{$lt:40}} ]} ,
9     { projection:{name:true,id:false}}).toArray(function(err, result){
10    if (err) throw err;
11    console.log(result);
12    db.close();
13  });
14 });
15
```

```
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 10q.js
(node:14491) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
[]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

11) Remove Science column/field for Raam

```
11.js -- ~/Desktop -- Atom

Project
  Desktop
    2q.js
    3q.js
    4q.js
    5q.js
    6q.js
    7q.js
    8q.js
    9q.js
    10q.js
    node mongo2
      1q.js
      2q.js
      3q.js
      4q.js
      5q.js
      6q.js
      7q.js
      8q.js
      9q.js
      10q.js
      11.js
      12q.js
      13q.js
      14q.js
      15q.js
    node mongo2.zip
  nodejs exercise2.1 pdf

11.js
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("student");
7    var myquery = {name:"Raam"};
8    var newvalues = {$unset:{science_marks:88}};
9    dbo.collection("studentmarks").updateOne(myquery, newvalues, function(err, res) {
10     if (err) throw err;
11     console.log("1 field delete");
12     db.close();
13   });
14 });
15
```

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

12q.js -- ~/Desktop -- Atom

Project

- Desktop
 - nodejs exercise2
 - node mongo1
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - 8q.js
 - 9q.js
 - 10q.js
 - node mongo2
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - 8q.js
 - 9q.js
 - 10q.js
 - 11.js
 - 12q.js
 - nodejs exercise2.1 pdf
 - practical

nodejs/exercise2/node mongo2/12q.js 8:65

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   var myobj = {name:"John",maths_marks:87,english_marks:23};
8   dbo.collection("studentmarks").insertOne(myobj,{upsert:false}, function(err, res) {
9     if (err) throw err;
10    console.log("1 document upserted");
11    db.close();
12  });
13 });
14
```

ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2

```
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 12q.js
(node:15889) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
1 document upserted
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

name	maths_marks	english_marks	science_marks	average
Arul	78	85	80	
Shayu	88	76	65	
Rumaran	42	71	84	
Lucky	68	80	75	
Gva	71	85	56	
Ram	41	65	88	
John	87	23		


```
ukistu03@ukipc03: ~  
ukistu03@ukipc03: ~  
ukistu03@ukipc03: ~  
> db.studentmarks.find({}, { _id: 0 })  
{ "name": "Mala", "maths_marks": 51, "english_marks": 53, "science_marks": 72, "average": { } }  
{ "name": "Vanu", "maths_marks": 80, "english_marks": 75, "science_marks": 85, "average": { } }  
{ "name": "Kala", "maths_marks": 32, "english_marks": 46, "science_marks": 53, "average": { } }  
{ "name": "Aruli", "maths_marks": 78, "english_marks": 85, "science_marks": 80, "average": { } }  
{ "name": "Shayun", "maths_marks": 80, "english_marks": 76, "science_marks": 65, "average": { } }  
{ "name": "Kumaran", "maths_marks": 32, "english_marks": 73, "science_marks": 84, "average": { } }  
{ "name": "Lucky", "maths_marks": 66, "english_marks": 90, "science_marks": 75, "average": { } }  
{ "name": "Gva", "maths_marks": 71, "english_marks": 65, "science_marks": 56, "average": { } }  
{ "name": "Raam", "maths_marks": 41, "english_marks": 65, "science_marks": 88, "average": { } }  
{ "name": "John", "maths_marks": 87, "english_marks": 23 }
```

13) Rename the english_marks column/field for John to science_marks

```
12q.js -- ~/Desktop -- Atom  
Project  
  Desktop  
    nodejs exercise2  
      node mongo1  
        1q.js  
        2q.js  
        3q.js  
        4q.js  
        5q.js  
        6q.js  
        7q.js  
        8q.js  
        9q.js  
        10q.js  
      node mongo2  
        1q.js  
        2q.js  
        3q.js  
        4q.js  
        5q.js  
        6q.js  
        7q.js  
        8q.js  
        9q.js  
        10q.js  
        11.js  
        12q.js  
        13q.js  
    nodejs exercise2.1 pdf  
nodejs/nodejs exercise2/node mongo2/12q.js 14:1  
LF UTF-8 Babel 0 files 1 update  
1  
2 var MongoClient = require('mongodb').MongoClient;  
3 var url = "mongodb://localhost:27017/";  
4  
5 MongoClient.connect(url, function(err, db) {  
6   if (err) throw err;  
7   var dbo = db.db("student");  
8   var myobj = {name:"John",maths_marks:87,english_marks:23};  
9   dbo.collection("studentmarks").insertOne(myobj,{upsert:false}, function(err, res) {  
10    if (err) throw err;  
11    console.log("1 document upserted");  
12    db.close();  
13  });  
14 }
```

```
ukistu03@ukipc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 13q.js
(node:16185) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewURLParser: true } to MongoClient.connect.
1 document updated
ukistu03@ukipc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$

db.studentmarks.find({}, { _id: 0 })
{ 'name': 'Mala', 'maths_marks': 51, 'english_marks': 53, 'science_marks': 72, 'average': { } }
{ 'name': 'Vanu', 'maths_marks': 80, 'english_marks': 75, 'science_marks': 85, 'average': { } }
{ 'name': 'Kala', 'maths_marks': 32, 'english_marks': 46, 'science_marks': 53, 'average': { } }
{ 'name': 'Aruli', 'maths_marks': 78, 'english_marks': 85, 'science_marks': 80, 'average': { } }
{ 'name': 'Shayu', 'maths_marks': 80, 'english_marks': 76, 'science_marks': 65, 'average': { } }
{ 'name': 'Kumaran', 'maths_marks': 32, 'english_marks': 73, 'science_marks': 84, 'average': { } }
{ 'name': 'Lucky', 'maths_marks': 66, 'english_marks': 90, 'science_marks': 75, 'average': { } }
{ 'name': 'Gva', 'maths_marks': 71, 'english_marks': 65, 'science_marks': 56, 'average': { } }
{ 'name': 'Raam', 'maths_marks': 41, 'english_marks': 65, 'science_marks': 88, 'average': { } }
{ 'name': 'John', 'maths_marks': 87, 'english_marks': 23 }

db.studentmarks.find({}, { _id: 0 })
{ 'name': 'Mala', 'maths_marks': 51, 'english_marks': 53, 'science_marks': 72, 'average': { } }
{ 'name': 'Vanu', 'maths_marks': 80, 'english_marks': 75, 'science_marks': 85, 'average': { } }
{ 'name': 'Kala', 'maths_marks': 32, 'english_marks': 46, 'science_marks': 53, 'average': { } }
{ 'name': 'Aruli', 'maths_marks': 78, 'english_marks': 85, 'science_marks': 80, 'average': { } }
{ 'name': 'Shayu', 'maths_marks': 80, 'english_marks': 76, 'science_marks': 65, 'average': { } }
{ 'name': 'Kumaran', 'maths_marks': 32, 'english_marks': 73, 'science_marks': 84, 'average': { } }
{ 'name': 'Lucky', 'maths_marks': 66, 'english_marks': 90, 'science_marks': 75, 'average': { } }
{ 'name': 'Gva', 'maths_marks': 71, 'english_marks': 65, 'science_marks': 56, 'average': { } }
{ 'name': 'Raam', 'maths_marks': 41, 'english_marks': 65, 'science_marks': 88, 'average': { } }
{ 'name': 'John', 'maths_marks': 87, 'english_marks': 23 }

db.studentmarks.find({}, { _id: 0 })
{ 'name': 'Mala', 'maths_marks': 51, 'english_marks': 53, 'science_marks': 72, 'average': { } }
{ 'name': 'Vanu', 'maths_marks': 80, 'english_marks': 75, 'science_marks': 85, 'average': { } }
{ 'name': 'Kala', 'maths_marks': 32, 'english_marks': 46, 'science_marks': 53, 'average': { } }
{ 'name': 'Aruli', 'maths_marks': 78, 'english_marks': 85, 'science_marks': 80, 'average': { } }
{ 'name': 'Shayu', 'maths_marks': 80, 'english_marks': 76, 'science_marks': 65, 'average': { } }
{ 'name': 'Kumaran', 'maths_marks': 32, 'english_marks': 73, 'science_marks': 84, 'average': { } }
{ 'name': 'Lucky', 'maths_marks': 66, 'english_marks': 90, 'science_marks': 75, 'average': { } }
{ 'name': 'Gva', 'maths_marks': 71, 'english_marks': 65, 'science_marks': 56, 'average': { } }
{ 'name': 'Raam', 'maths_marks': 41, 'english_marks': 65, 'science_marks': 88, 'average': { } }
{ 'name': 'John', 'maths_marks': 87, 'english_marks': 23 }

ukistu03@ukipc03: ~
ukistu03@ukipc03: ~
> db.studentmarks.find({}, { _id: 0 })
{ 'name': 'Mala', 'maths_marks': 51, 'english_marks': 53, 'science_marks': 72, 'average': { } }
{ 'name': 'Vanu', 'maths_marks': 80, 'english_marks': 75, 'science_marks': 85, 'average': { } }
{ 'name': 'Kala', 'maths_marks': 32, 'english_marks': 46, 'science_marks': 53, 'average': { } }
{ 'name': 'Aruli', 'maths_marks': 78, 'english_marks': 85, 'science_marks': 80, 'average': { } }
{ 'name': 'Shayu', 'maths_marks': 80, 'english_marks': 76, 'science_marks': 65, 'average': { } }
{ 'name': 'Lucky', 'maths_marks': 66, 'english_marks': 90, 'science_marks': 75, 'average': { } }
{ 'name': 'Gva', 'maths_marks': 71, 'english_marks': 65, 'science_marks': 56, 'average': { } }
{ 'name': 'Raam', 'maths_marks': 41, 'english_marks': 65, 'science_marks': 88, 'average': { } }
{ 'name': 'John', 'maths_marks': 87, 'english_marks': 23 }
```

14) Remove Kumaran's document from collection

14q.js -- ~/Desktop -- Atom

Project

- Desktop
 - nodejs exercise2
 - node mongo1
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - 8q.js
 - 9q.js
 - 10q.js
 - node mongo2
 - 1q.js
 - 2q.js
 - 3q.js
 - 4q.js
 - 5q.js
 - 6q.js
 - 7q.js
 - 8q.js
 - 9q.js
 - 10q.js
 - 11.js
 - 12q.js
 - 13q.js
 - 14q.js

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("student");
7   var myquery = {name:"Kumaran"};
8   dbo.collection("studentmarks").deleteOne(myquery, function(err, obj) {
9     if (err) throw err;
10    console.log("1 document deleted");
11    db.close();
12  });
13 });
14
```

nodejs/nodejs exercise2/node mongo2/14q.js 14:1

LF UTF-8 Babel 0 files 1 update

ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2

```
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 14q.js
(node:16735) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
1 document deleted
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```

name	maths_marks	english_marks	science_marks	average
Arul	78	85	80	
Shayu	88	76	65	
Lucky	68	88	75	
Gva	71	65	56	
Raan	41	65	88	
John	87		23	

```
ukistu03@ukipc03: ~  
File Edit View Search Terminal Tabs Help  
ukistu03@ukipc03: ~  
ukistu03@ukipc03: ~  
> db.studentmarks.find({}, { _id: 0 })  
{ "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72, "average" : { } }  
{ "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85, "average" : { } }  
{ "name" : "Kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53, "average" : { } }  
{ "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80, "average" : { } }  
{ "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65, "average" : { } }  
{ "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 75, "average" : { } }  
{ "name" : "Gva", "maths_marks" : 71, "english_marks" : 65, "science_marks" : 56, "average" : { } }  
{ "name" : "Raam", "maths_marks" : 41, "english_marks" : 65, "science_marks" : 88, "average" : { } }  
{ "name" : "John", "maths_marks" : 87, "english_marks" : 23, "science_marks" : 23 }  
ukistu03@ukipc03: ~  
Trash  
Network  
Computer  
Downloads  
Connected to Server  
8qatom.png 8qmongo.png 8qnode.png 7qatom.png 7qmongo.png 7qnode.png  
9qatom.png 9qnode.png 9qatom.png 9qnode.png 10qatom.png 10qnode.png  
12qatom.png 12qmongo.png 12qnode.png 13q.png 13qatom.png 13qmongo.png  
13qnode.png 14qatom.png 14qnode.png 15qatom.png 15qnode.png master.png
```

15) Find Kala's or Aruli's math_marks and science_marks

```
15q.js -- ~/Desktop -- Atom  
Project  
Desktop  
2q.js  
3q.js  
4q.js  
5q.js  
6q.js  
7q.js  
8q.js  
9q.js  
10q.js  
node mongo2  
1q.js  
2q.js  
3q.js  
4q.js  
5q.js  
6q.js  
7q.js  
8q.js  
9q.js  
10q.js  
11.js  
12q.js  
13q.js  
14q.js  
15q.js  
nodejs exercise2.1.pdf  
practical  
nodejs/nodejs exercise2/node mongo2/15q.js 15:1  
LF UTF-8 Babel 0 files 1 update  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
var MongoClient = require('mongodb').MongoClient;  
var url = "mongodb://localhost:27017/";  
  
MongoClient.connect(url, function(err, db) {  
  if (err) throw err;  
  var dbo = db.db("student");  
  dbo.collection("studentmarks").find({$or:[{name:"Kala"},{name:"Aruli"} ] } ,  
    { projection:{name:true,_id:false,maths_marks:true,  
      science_marks:true}}).toArray(function(err, result){  
    if (err) throw err;  
    console.log(result);  
    db.close();  
  });  
});
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$ node 15q.js
(node:16945) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
[ { name: 'Kala', maths_marks: 32, science_marks: 53 },
  { name: 'Arul', maths_marks: 78, science_marks: 80 } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo2$
```