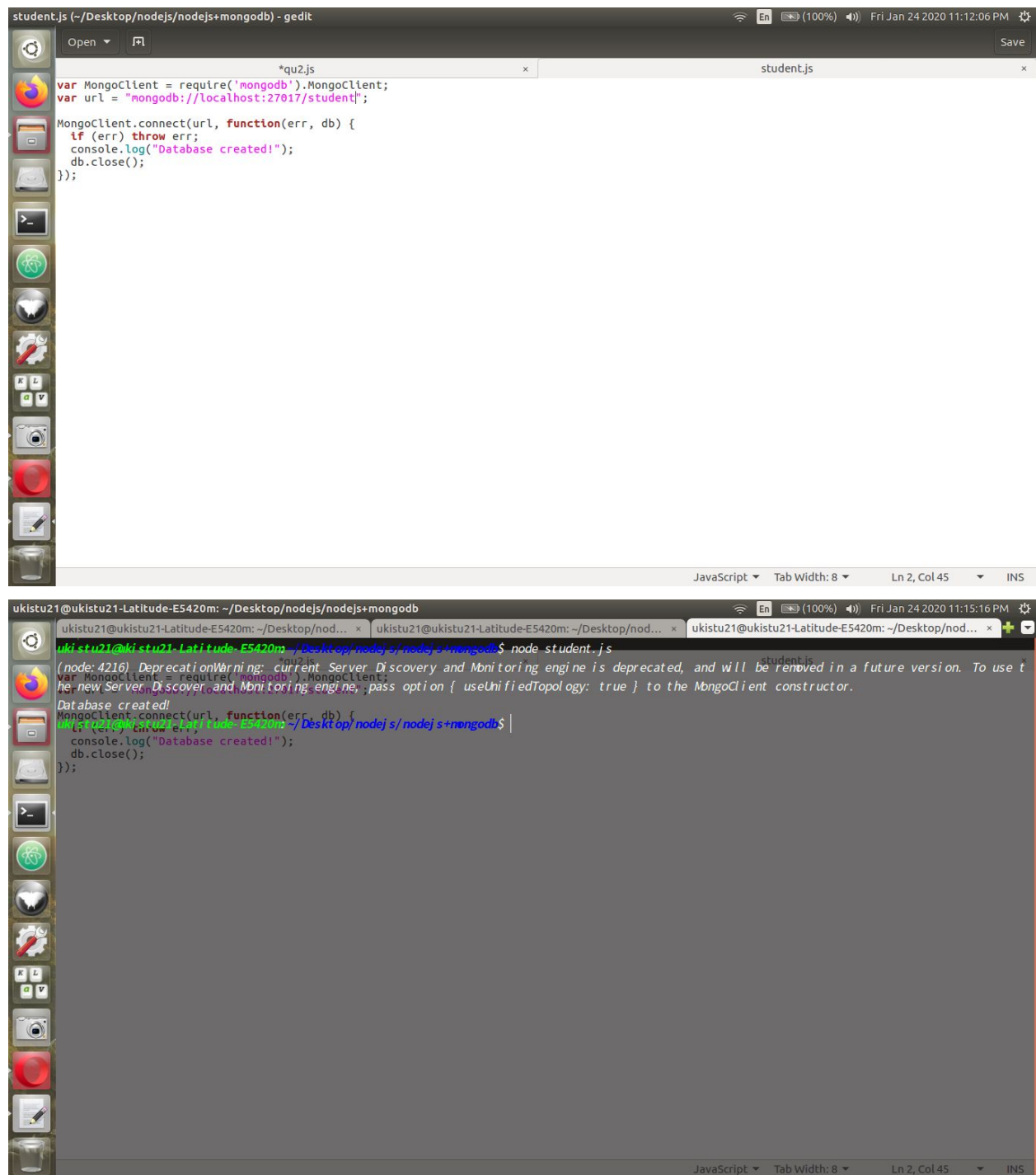


## 1) Create a Database called student



The image shows a code editor window titled 'student.js (~/Desktop/nodejs/nodejs+mongodb) - gedit' and a terminal window below it. The code editor displays the following JavaScript code:

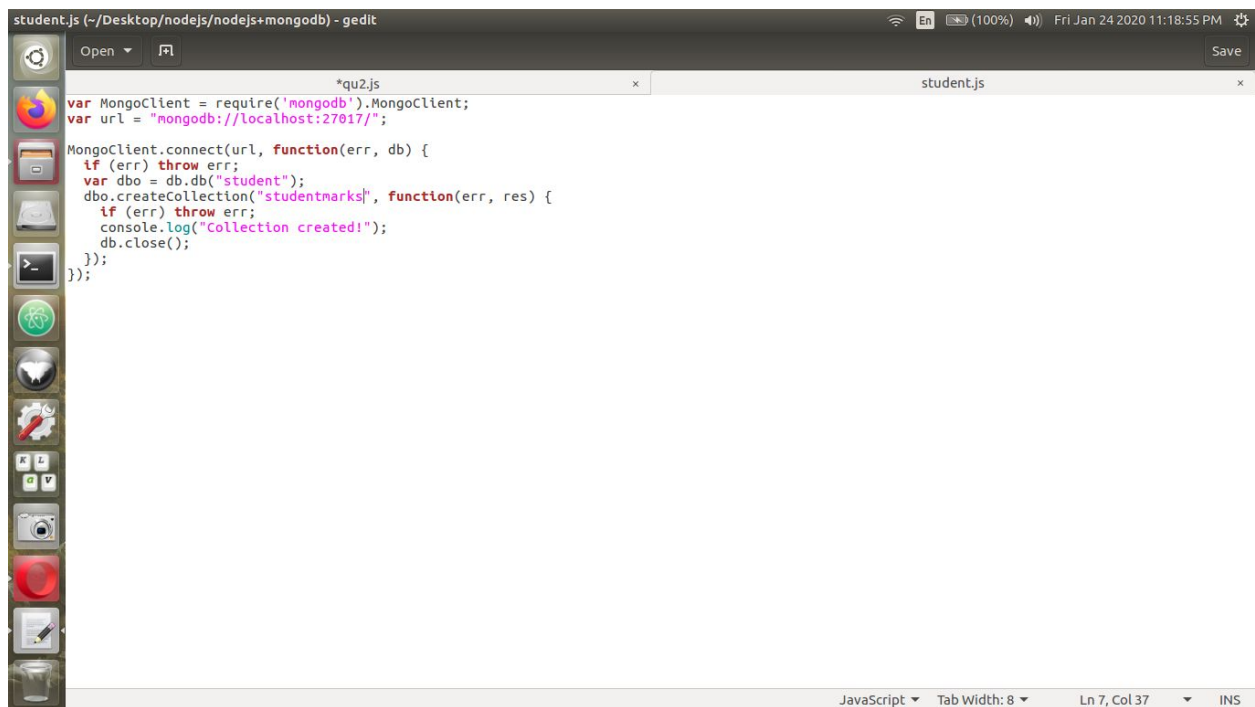
```
student.js (~/Desktop/nodejs/nodejs+mongodb) - gedit
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/student";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  console.log("Database created!");
  db.close();
});
```

The terminal window shows the command `node student.js` being executed, resulting in the output `Database created!`. The terminal also displays a deprecation warning from Node.js:

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node student.js
(node:4216) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Database created!
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$
```

## 2) Create a collection called studentmarks

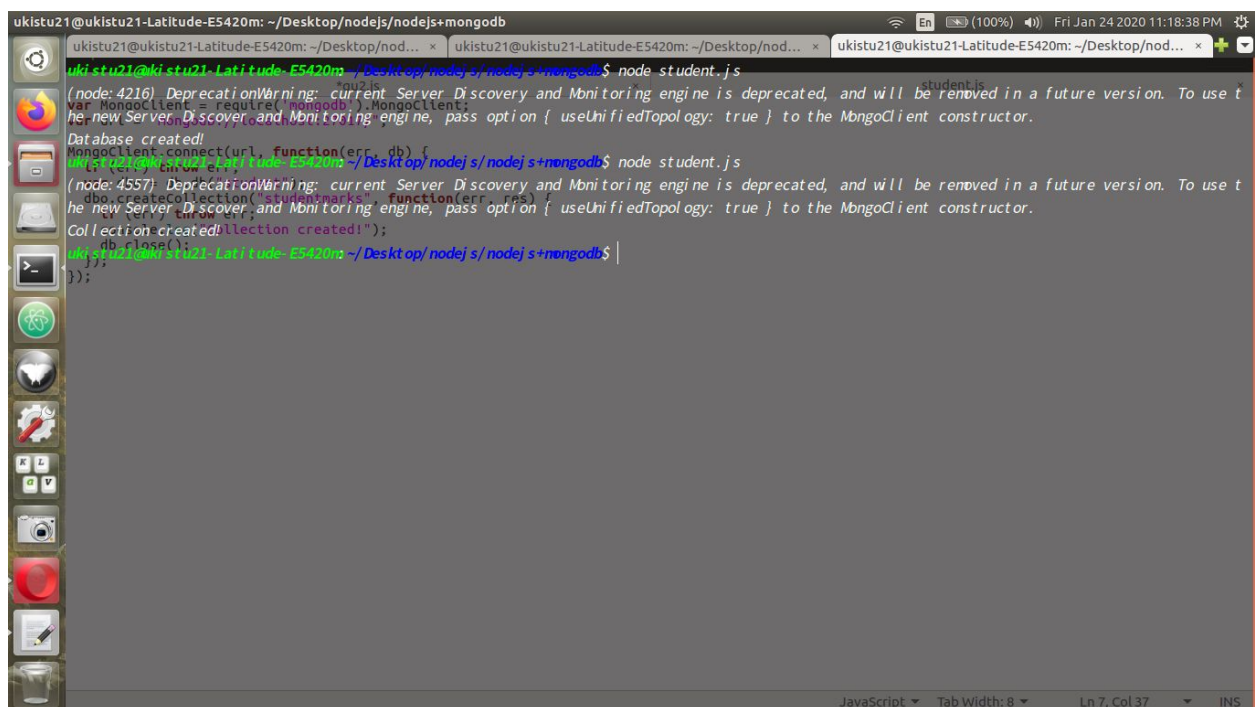


The screenshot shows a gedit editor window titled "student.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit". The editor has two tabs: "\*qu2.js" and "student.js". The "student.js" tab is active, showing the following JavaScript code:

```
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.createCollection("studentmarks", function(err, res) {
    if (err) throw err;
    console.log("Collection created!");
    db.close();
  });
});
```

The status bar at the bottom indicates "JavaScript", "Tab Width: 8", "Ln 7, Col 37", and "INS".



The screenshot shows a terminal window titled "ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb". The terminal displays the command to run the script and its output:

```
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb$ node student.js
(node:4216) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Database created!
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb$ node student.js
(node:4557) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Collection created!
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb$
```

The status bar at the bottom indicates "JavaScript", "Tab Width: 8", "Ln 7, Col 37", and "INS".

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

```
qu2.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit
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");
  var myobj = [
    { name: 'Mala', maths_marks: 45, english_marks: 53, science_marks: 72 },
    { name: 'Vanu', maths_marks: 80, english_marks: 75, science_marks: 85 },
    { name: 'Kala', maths_marks: 32, english_marks: 46, science_marks: 53 },
    { name: 'Aruli', maths_marks: 78, english_marks: 85, science_marks: 80 },
    { name: 'Shayu', maths_marks: 80, english_marks: 76, science_marks: 65 },
    { name: 'Kunaran', maths_marks: 32, english_marks: 73, science_marks: 84 },
    { name: 'Lucky', maths_marks: 66, english_marks: 90, science_marks: 45 },
    { name: 'Gva', maths_marks: 71, english_marks: 75, science_marks: 56 },
    { name: 'Raam', maths_marks: 41, english_marks: 65, science_marks: 88 },
  ];
  dbo.collection("studentmarks").insertMany(myobj, function(err, res) {
    if (err) throw err;
    console.log("Number of documents inserted: " + res.insertedCount);
    db.close();
  });
});
```

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node student.js
(node:4216) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Database created!
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node student.js
(node:4557) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Collection created!
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node qu2.js
(node:5121) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Number of documents inserted: 9
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$
```

#### 4) Increase the maths marks of Mala by 6 marks

```
qu2.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://127.0.0.1:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  var myquery = { name: "Mala" };
  var newvalues = { $inc: { maths_marks: 6 } };
  dbo.collection("studentmarks").updateOne(myquery, newvalues, function(err, res) {
    if (err) throw err;
    console.log("1 document updated");
    db.close();
  });
});
```

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node qu2.js
(node:2837) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
1 document updated;
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$
```

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

The screenshot shows a Linux desktop environment. On the left is a vertical sidebar with icons for various applications: a gear (Settings), a Firefox browser, a file manager, a terminal, a network icon, a red circle icon, a settings icon, a keyboard icon, a volume icon, a camera icon, a pencil icon, and a trash can. The top bar displays the system status, including network, language (En), battery (100%), and the date/time (Thu Jan 30 2020 10:36:32 AM). A terminal window is open, showing the following code:

```
qu2.js (~/.Desktop/nodejs/nodejs+mongodb): gedit: Help
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

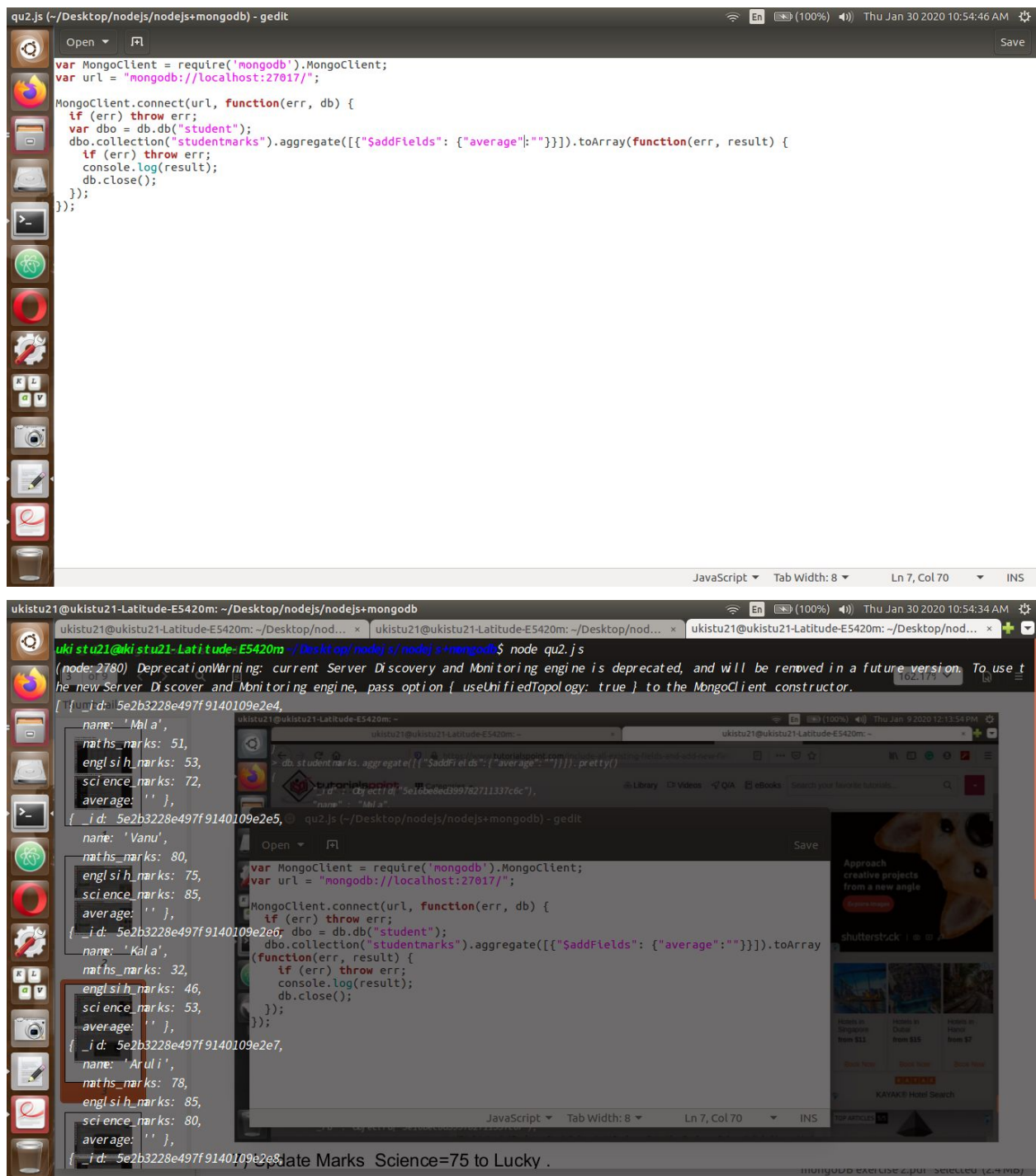
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  dbo.collection("studentmarks").find({"maths_marks":{"$gt:50"}}, { projection: { _id: 0, name: 1, } }).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

The bottom status bar shows the current file is JavaScript, the tab width is 8, the cursor is at line 7, column 98, and the encoding is UTF-8.

A screenshot of a Linux desktop environment. The background is a dark theme. On the left is a vertical dock with icons for various applications. The main area shows a terminal window with a MongoDB command prompt. The prompt is 'ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod...'. The user has entered 'node qu2.js'. The output shows a deprecation warning about the 'Server Discovery and Monitoring engine' and then a successful MongoDB connection. The user has inserted a document into the 'studentmarks' collection. The document has a 'name' field with the value 'Vishu' and a 'marks' field with the value '50'. The document is inserted successfully. A 'gnome-screenshot' dialog box is overlaid on the terminal. It has a title bar 'gnome-screenshot' and a 'Take Screenshot' section. In this section, there are three radio buttons: 'Grab the whole screen' (selected), 'Grab the current window', and 'Select area to grab'. Below these is a 'Grab after a delay of' field with '0' and a 'seconds' label. In the 'Effects' section, there are two checkboxes: 'Include pointer' (unchecked) and 'Include the window border' (checked). Below these is an 'Apply effect:' dropdown menu with 'None' selected. At the bottom right of the dialog is a 'Take Screenshot' button.



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



```
qu2.js (~/Desktop/nodejs/nodejs+mongodb) - gedit
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").aggregate([{"$addFields": {"average": ""}}]).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb

ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x

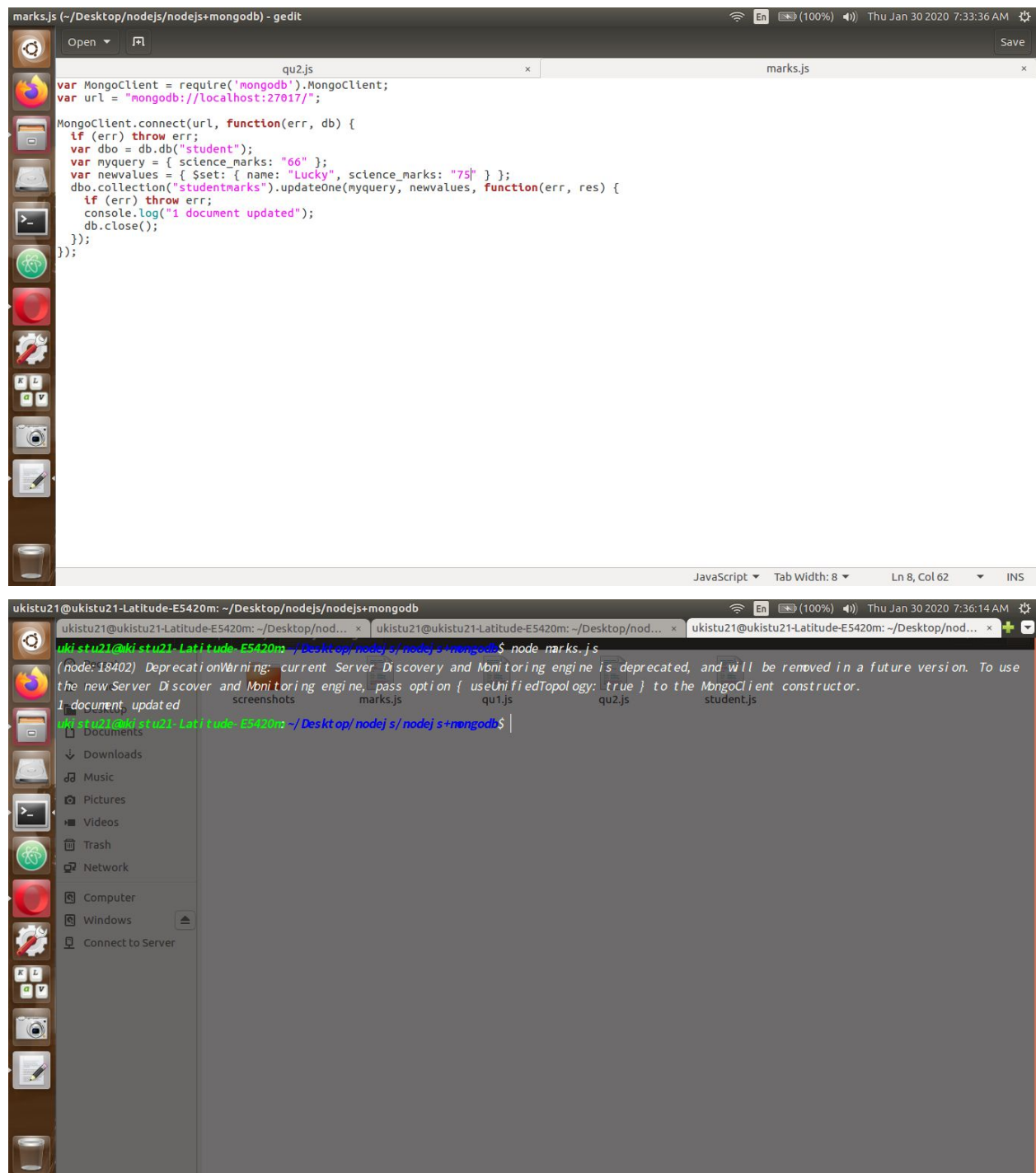
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb\$ node qu2.js

(node:2780) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.

```
[{"_id": "5e2b3228e497f9140109e2e4",
  name: "Mila",
  maths_marks: 51,
  english_marks: 53,
  science_marks: 72,
  average: "" },
 {"_id": "5e2b3228e497f9140109e2e5",
  name: "Vanu",
  maths_marks: 80,
  english_marks: 75,
  science_marks: 85,
  average: "" },
 {"_id": "5e2b3228e497f9140109e2e6",
  name: "Kala",
  maths_marks: 32,
  english_marks: 46,
  science_marks: 53,
  average: "" },
 {"_id": "5e2b3228e497f9140109e2e7",
  name: "Aruli",
  maths_marks: 78,
  english_marks: 85,
  science_marks: 80,
  average: "" },
 {"_id": "5e2b3228e497f9140109e2e8",
  name: "Lucky",
  maths_marks: 75,
  english_marks: 75,
  science_marks: 75,
  average: "" }]
```

Update Marks Science=75 to Lucky .

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



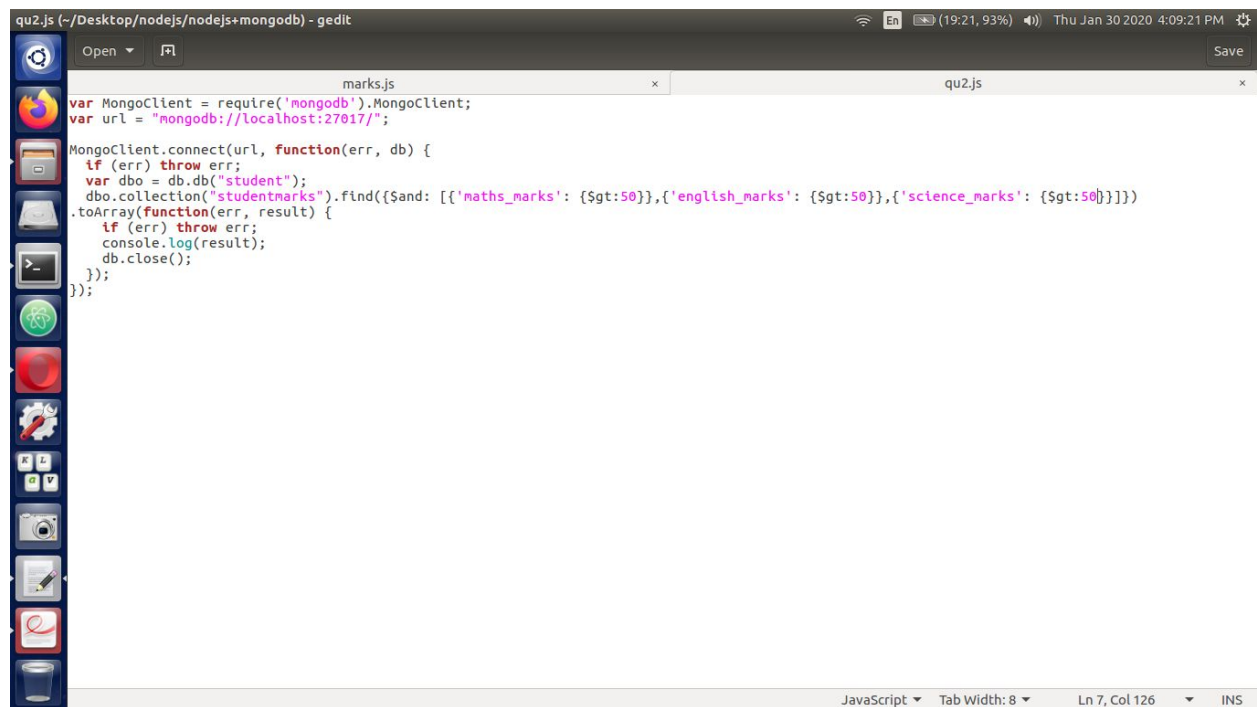
The image shows a Gedit editor window and a terminal window. The Gedit window, titled 'marks.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit', contains the following JavaScript code:

```
marks.js
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");
  var myquery = { science_marks: "66" };
  var newvalues = { $set: { name: "Lucky", science_marks: "75" } };
  dbo.collection("studentmarks").updateOne(myquery, newvalues, function(err, res) {
    if (err) throw err;
    console.log("1 document updated");
    db.close();
  });
});
```

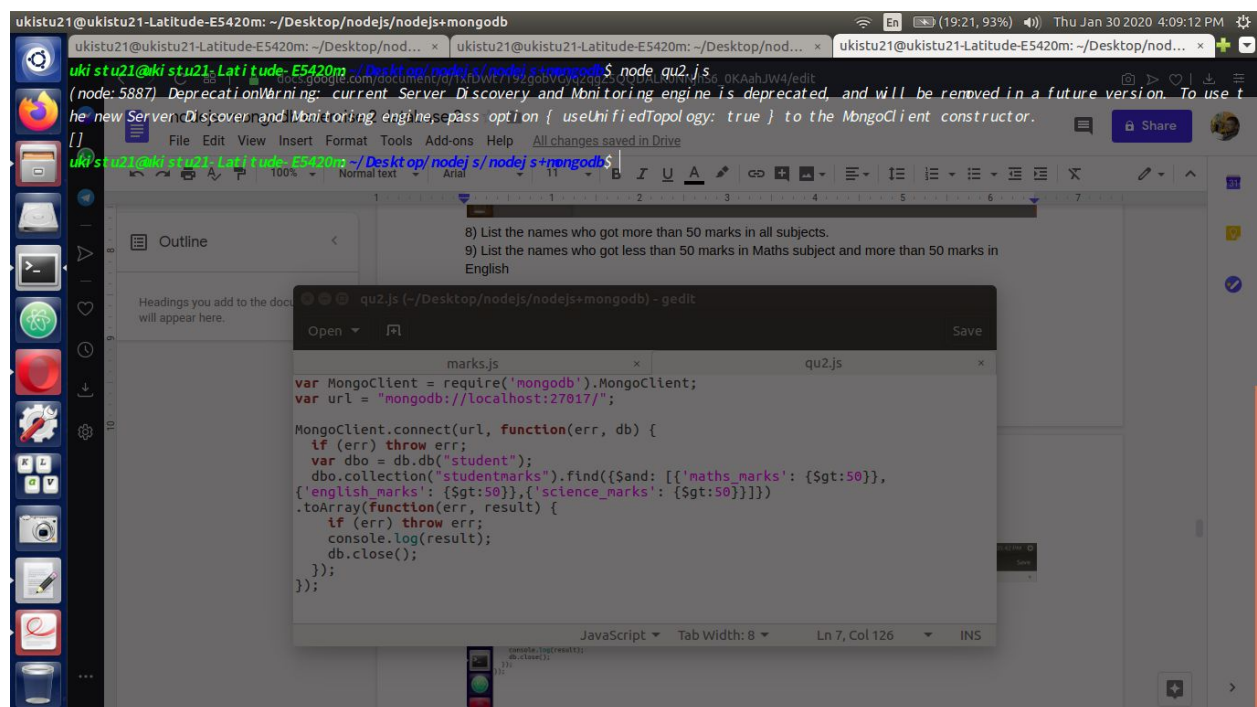
The terminal window, titled 'ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb', shows the command 'node marks.js' being executed. The output is '(node:18402) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.' followed by '1 document updated'.

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



```
qu2.js (~/Desktop/nodejs/nodejs+mongodb) - gedit
marks.js x qu2.js x
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({$and: [{'maths_marks': {$gt:50}}, {'english_marks': {$gt:50}}, {'science_marks': {$gt:50}}]})
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```



```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb $ node qu2.js
(node:5887) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, please pass option { useUnifiedTopology: true } to the MongoClient constructor.
[
  {
    name: 'John',
    maths_marks: 55,
    english_marks: 55,
    science_marks: 55
  },
  {
    name: 'Alice',
    maths_marks: 55,
    english_marks: 55,
    science_marks: 55
  },
  {
    name: 'Bob',
    maths_marks: 55,
    english_marks: 55,
    science_marks: 55
  }
]
```

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



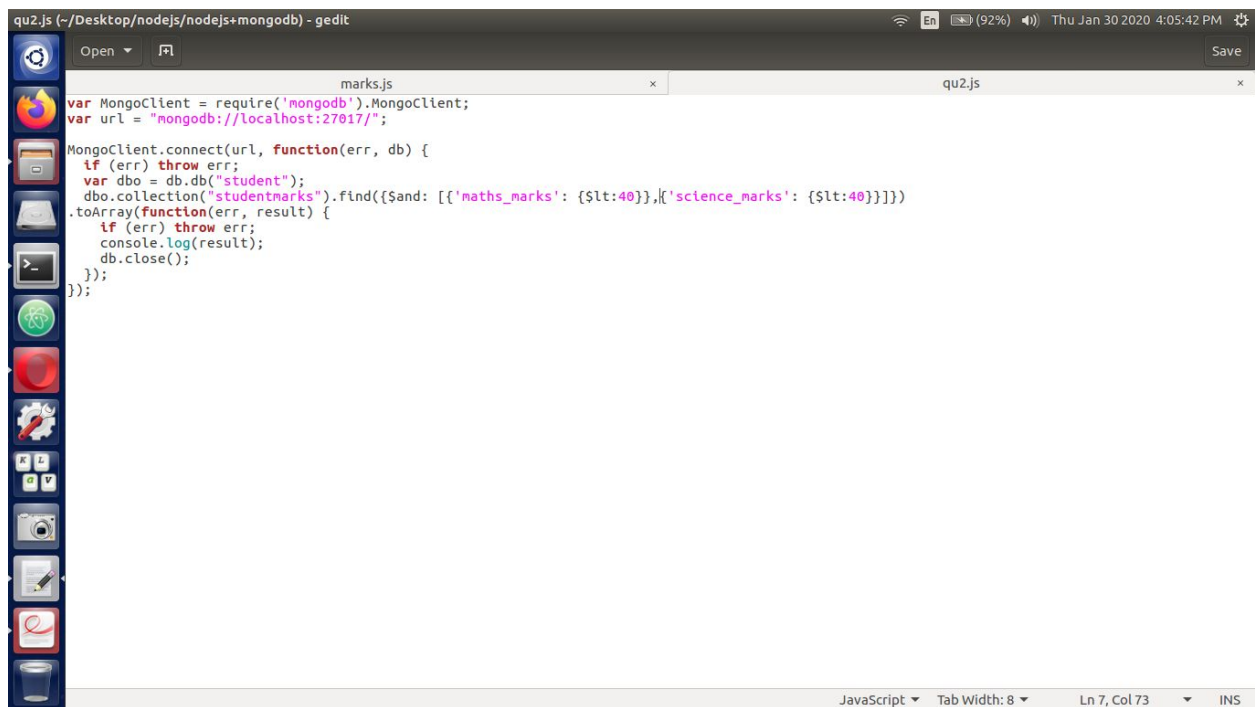
```
qu2.js (~/Desktop/nodejs/nodejs+mongodb) - gedit
marks.js x qu2.js x
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  dbo.collection("studentmarks").find({$and: [{'maths_marks': {$lt:50}},{'english_marks': {$gt:50}}]})
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node qu2.js
(node:5755) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
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({$and: [{'maths_marks': {$lt:50}},{'english_marks': {$gt:50}}]})
  .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.

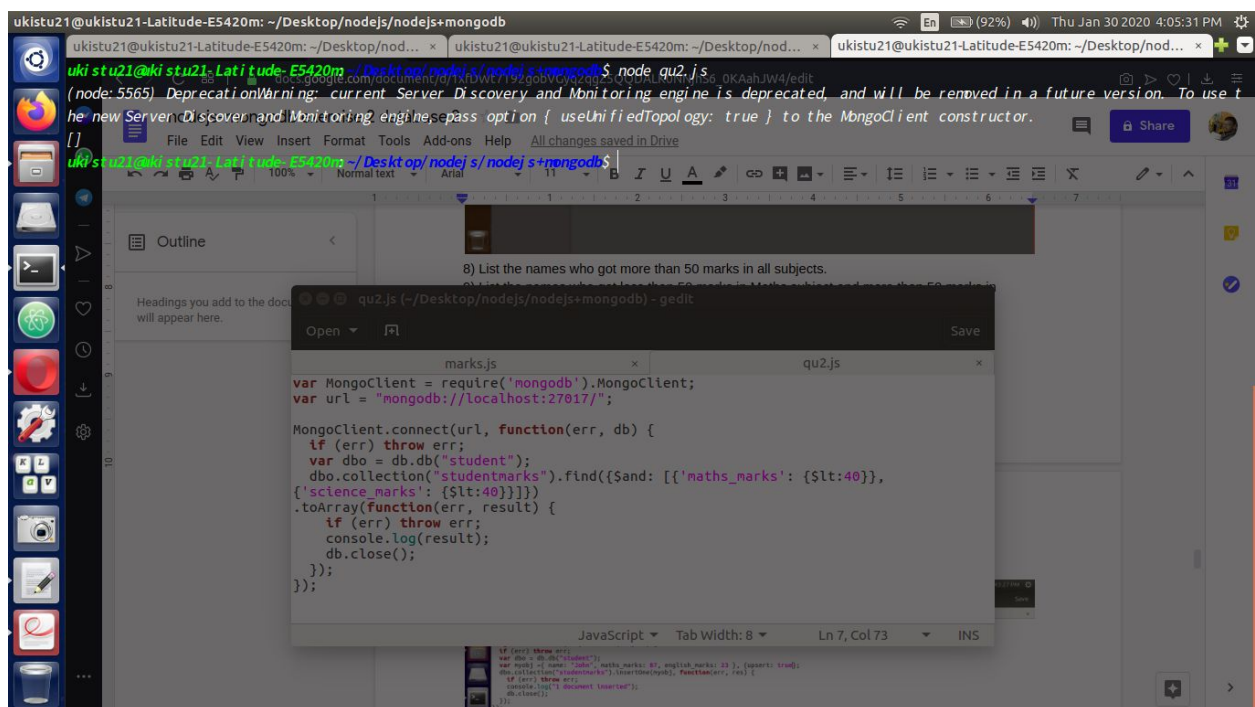


The screenshot shows a terminal window with a dark background. The title bar reads "qu2.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit". The window contains two tabs: "marks.js" and "qu2.js". The "qu2.js" tab is active and displays the following JavaScript code:

```
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({$and: [{'maths_marks': {$lt:40}},{'science_marks': {$lt:40}}]})
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

The status bar at the bottom indicates "JavaScript", "Tab Width: 8", "Ln 7, Col 73", and "INS".



The screenshot shows a terminal window with a dark background. The title bar reads "ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb". The window contains two tabs: "marks.js" and "qu2.js". The "qu2.js" tab is active and displays the following JavaScript code:

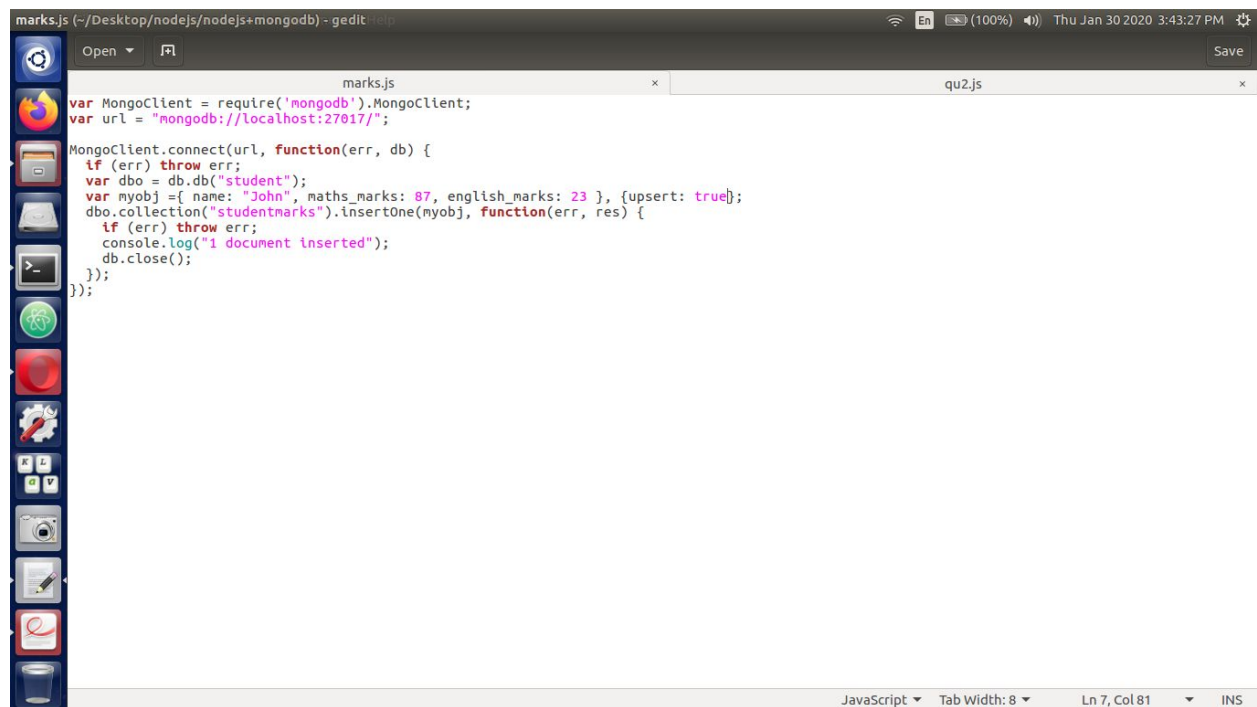
```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  dbo.collection("studentmarks").find({$and: [{'maths_marks': {$lt:40}},{'science_marks': {$lt:40}}]})
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

The status bar at the bottom indicates "JavaScript", "Tab Width: 8", "Ln 7, Col 73", and "INS".

11) Remove Science column/field for Raam

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

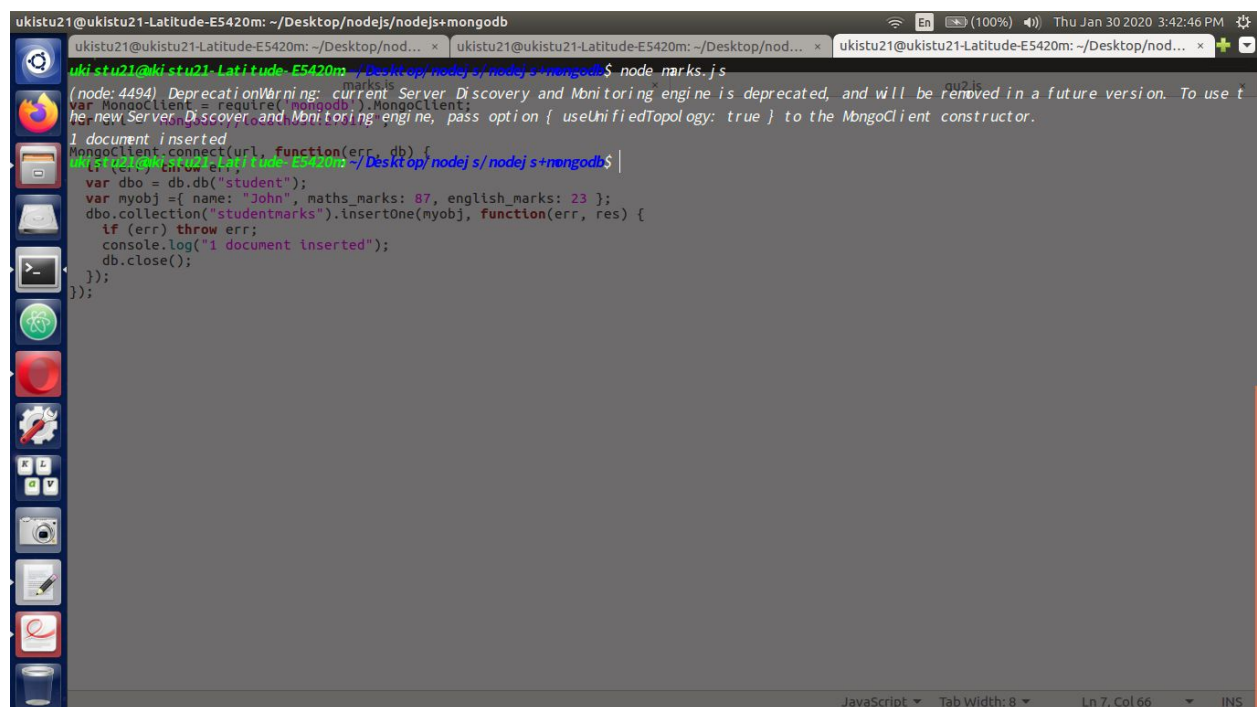


The screenshot shows a code editor with two tabs: 'marks.js' and 'qu2.js'. The 'marks.js' tab is active and contains the following JavaScript code:

```
marks.js
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");
  var myobj = { name: "John", maths_marks: 87, english_marks: 23 }, {upsert: true};
  dbo.collection("studentmarks").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

The editor's status bar at the bottom indicates 'JavaScript', 'Tab Width: 8', 'Ln 7, Col 81', and 'INS'.

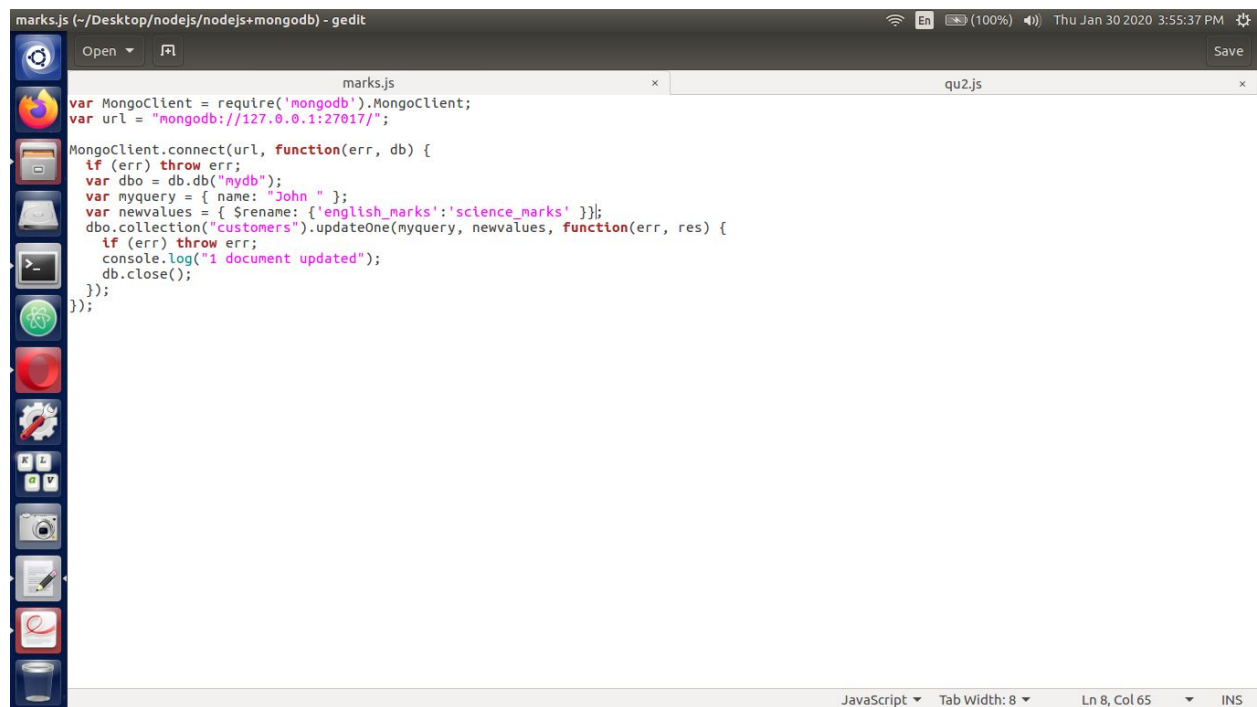


The screenshot shows a terminal window with the following output:

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node marks.js
(node:4494) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
1 document inserted
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  var myobj = { name: "John", maths_marks: 87, english_marks: 23 };
  dbo.collection("studentmarks").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

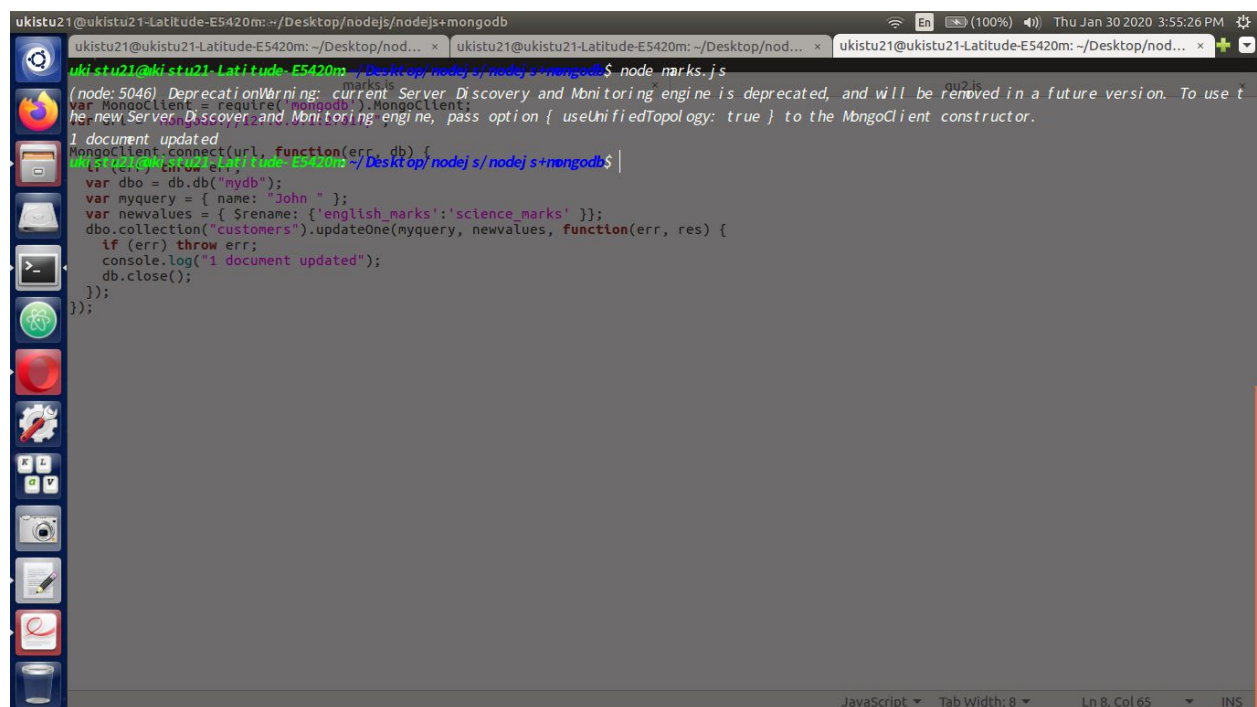
The terminal window's status bar at the bottom indicates 'JavaScript', 'Tab Width: 8', 'Ln 7, Col 66', and 'INS'.

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



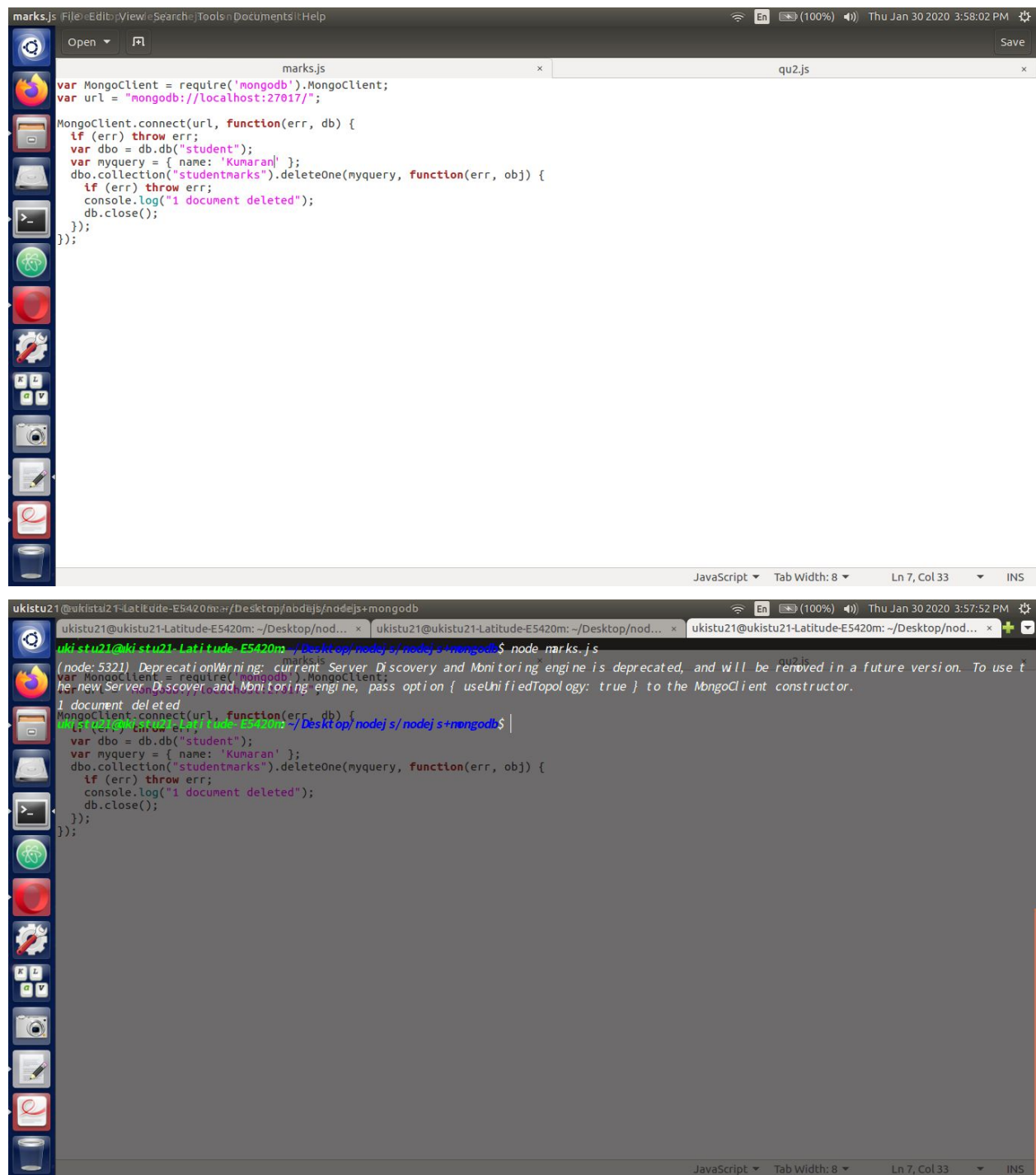
```
marks.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://127.0.0.1:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("mydb");
  var myquery = { name: "John " };
  var newvalues = { $rename: { 'english_marks': 'science_marks' } };
  dbo.collection("customers").updateOne(myquery, newvalues, function(err, res) {
    if (err) throw err;
    console.log("1 document updated");
    db.close();
  });
});
```



```
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nod... x
ukistu21@ukistu21-Latitude-E5420m: ~/.Desktop/nodejs/nodejs+mongodb$ node marks.js
(node:5046) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
1 document updated
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("mydb");
  var myquery = { name: "John " };
  var newvalues = { $rename: { 'english_marks': 'science_marks' } };
  dbo.collection("customers").updateOne(myquery, newvalues, function(err, res) {
    if (err) throw err;
    console.log("1 document updated");
    db.close();
  });
});
```

## 14) Remove Kumaran's document from collection



The image shows a code editor window with two tabs: 'marks.js' and 'qu2.js'. The 'marks.js' tab is active, displaying the following JavaScript code:

```
marks.js
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");
  var myquery = { name: 'Kumaran' };
  dbo.collection("studentmarks").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});
```

Below the code editor is a terminal window. The terminal shows the command to run the script and the output:

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node marks.js
(node:5321) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
1 document deleted
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$
```

The terminal output confirms that one document was deleted. The status bar at the bottom of the code editor indicates 'JavaScript', 'Tab Width: 8', 'Ln 7, Col 33', and 'INS'.



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

```
qu2.js (~/.Desktop/nodejs/nodejs+mongodb) - gedit
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': 'Aruli'}, {'name': 'Kala'}]}), { projection: { _id: 0, 'science_marks': 1, 'maths_marks': 1 } })
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nod... x
ukistu21@ukistu21-Latitude-E5420m: ~/Desktop/nodejs/nodejs+mongodb$ node qu2.js
(node:3520) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("student");
  dbo.collection("studentmarks").find({$or: [{'name': 'Aruli'}, {'name': 'Kala'}]}), { projection: { _id: 0, 'science_marks': 1, 'maths_marks': 1 } })
  .toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```