

VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query code. The Explorer sidebar shows the file structure under a `MYSQL` folder.

```
con.connect(function(err) {
  if (err) throw err;
  console.log("Connected!");
  var sql = "INSERT INTO people (name, address) VALUES ?";
  var values = [
    ['John', 'Highway 71'],
    ['Peter', 'Lowstreet 4'],
    ['Amy', 'Apple st 652'],
    ['Hannah', 'Mountain 21'],
    ['Michael', 'Valley 345'],
    ['Sandy', 'Ocean blvd 2'],
    ['Betty', 'Green Grass 1'],
    ['Richard', 'Sky st 331'],
    ['Susan', 'One way 98'],
    ['Vicky', 'Yellow Garden 2'],
    ['Ben', 'Park Lane 38'],
    ['William', 'Central st 954'],
    ['Chuck', 'Main Road 989'],
    ['Viola', 'Sideway 1633']
  ];
  con.query(sql, [values], function (err, result) {
    if (err) throw err;
    console.log("Number of records inserted: " + result.affectedRows);
  });
});
```

The Terminal output shows the execution of `node ishita2.js` resulting in:

```
1 record inserted
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
Connected!
Number of records inserted: 14
```

VS Code status bar at the bottom indicates: Ln 1, Col 28, Spaces: 2, UTF-8, CRLF, JavaScript.

FileEditSelectionViewGoRunTerminalHelp

MySQL

0012345678910111213141516

WELCOMEJS demo\_db\_connection.js x JS ishita.js JS ishita2.js

EXPLORER

MYSQL

JS demo\_db\_connection.js

JS ishita.js

JS ishita2.js

JS demo\_db\_connection.js > main > password

```
1 const mysql = require('mysql2/promise');
2
3 async function main() {
4   // Create connection using async/await
5   connection = await mysql.createConnection({
6     host: 'localhost',
7     user: 'root',
8     database: 'ishita',
9     password: 'rajshree28'
10  });
11
12  console.log("Connected to MySQL database");
13 }
14
15
16 main()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

node + v

PS C:\Users\ishit\OneDrive\Desktop\MySQL> node demo\_db\_connection.js

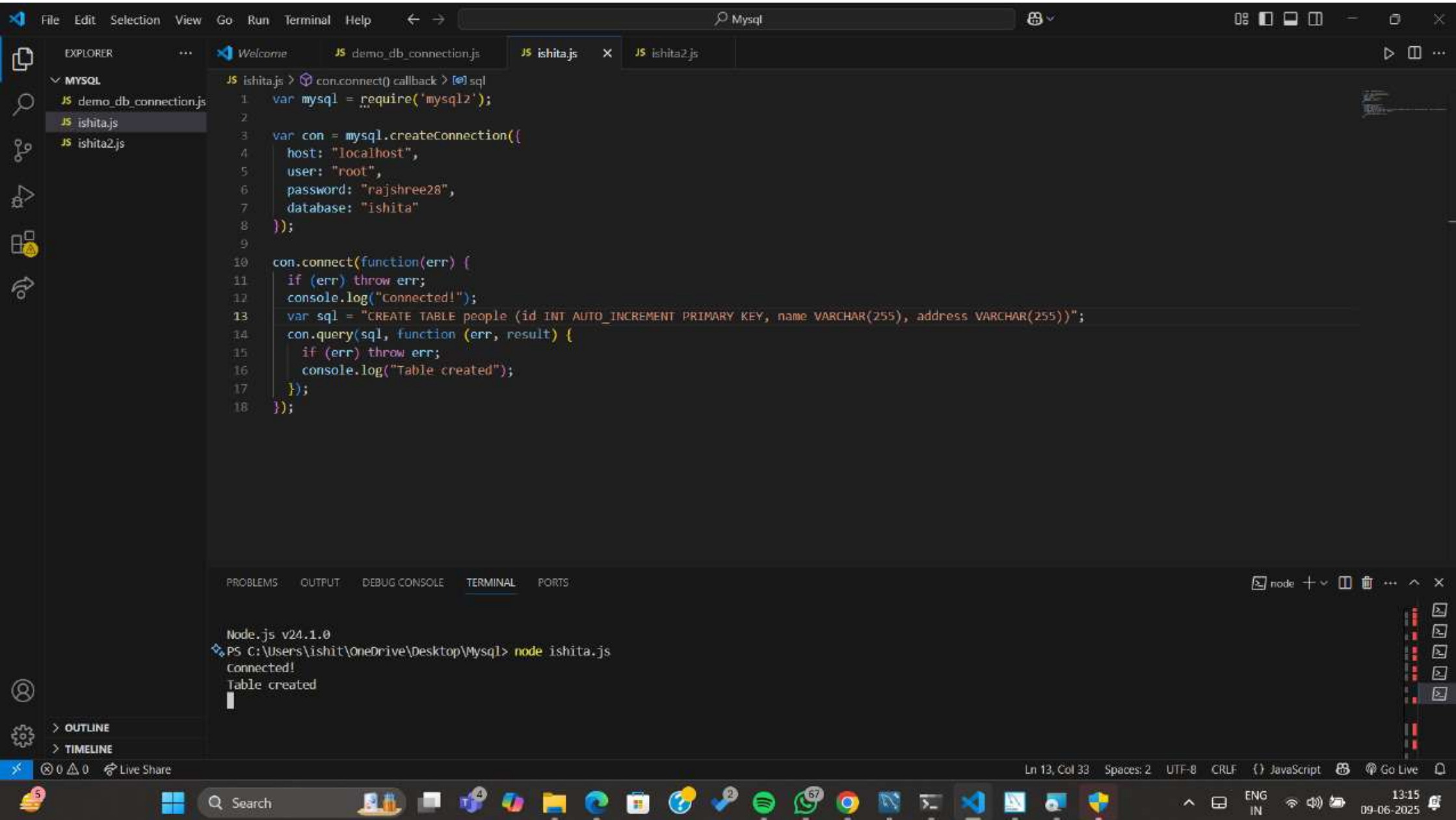
Connected to MySQL database

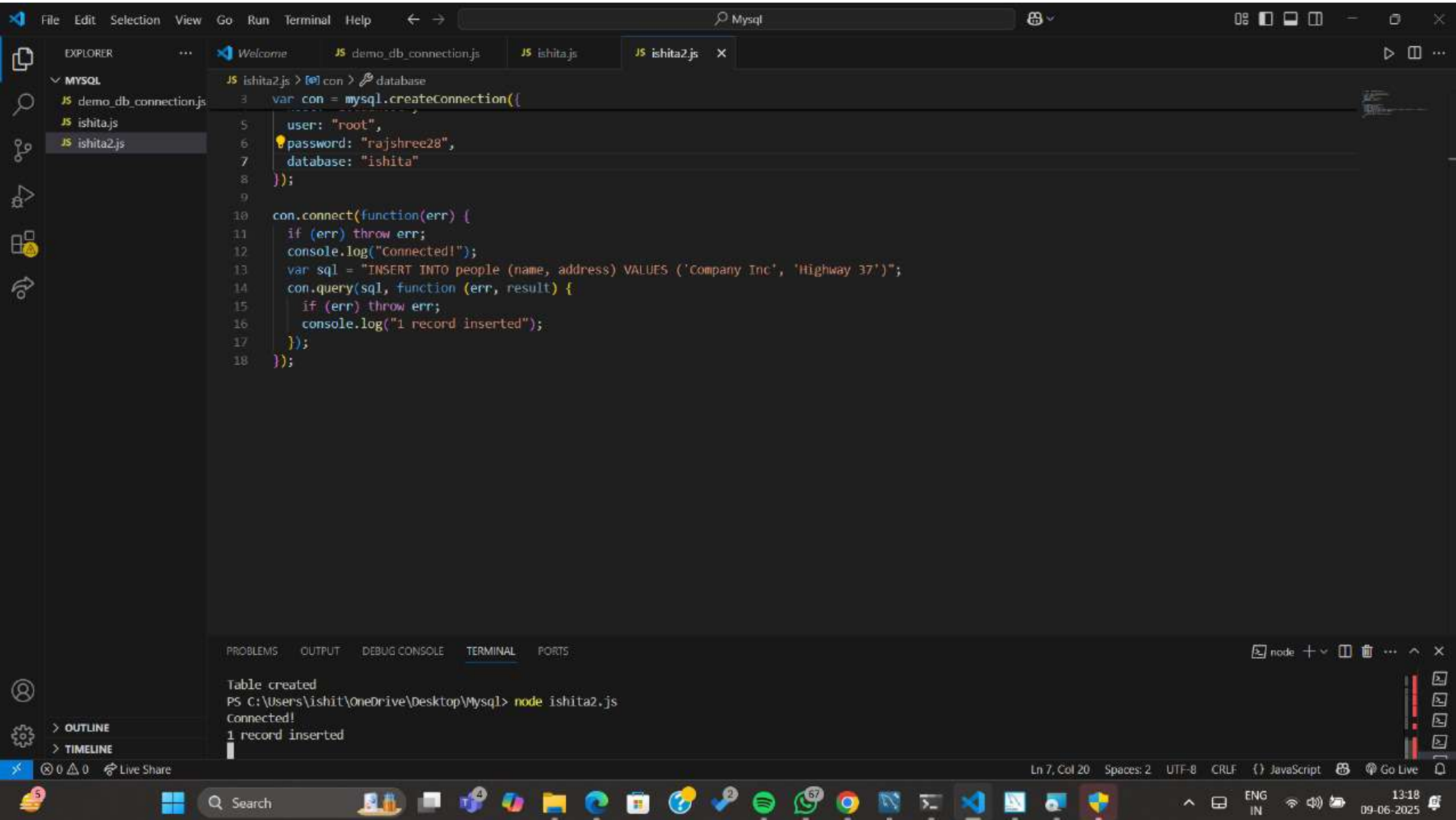
Ln 9, Col 26 Spaces: 4 UTF-8 CRLF {} JavaScript Go Live

5

Search

13:14 09-06-2025





VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query logic. The Explorer sidebar shows the file structure under a `MYSQL` folder.

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   var sql = "INSERT INTO people (name, address) VALUES ('Michelle', 'Blue Village 1')";
13   con.query(sql, function (err, result) {
14     if (err) throw err;
15     console.log("1 record inserted, ID: " + result.insertId);
16   });
17 });
```

The Terminal output shows the execution of `node ishita2.js` twice, both resulting in "1 record inserted, ID: 16".

Terminal Output:

```
Number of records inserted: 14
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
1 record inserted, ID: 16
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
1 record inserted, ID: 16
```

VS Code status bar: Ln 17, Col 4 | Spaces: 2 | UTF-8 | CRLF | JavaScript | Go Live



File Edit Selection View Go Run Terminal Help

MySQL

0% 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

WELCOME JS demo\_db\_connection.js JS ishita.js JS ishita2.js

EXPLORER

MYSQL

JS demo\_db\_connection.js

JS ishita.js

JS ishita2.js

JS ishita2.js > ...

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT * FROM people", function (err, result, fields) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
{ id: 13, name: 'William', address: 'Central st 954' },
{ id: 14, name: 'Chuck', address: 'Main Road 989' },
{ id: 15, name: 'Viola', address: 'Sideway 1633' },
{ id: 16, name: 'Michelle', address: 'Blue Village 1' }
}
```

node + -

Ln 16, Col 4 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live

0 0 0 Live Share

Search

13:27 09-06-2025

VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query code. The code successfully connects to a database and queries a table named `people`.

```
JS ishita2.js > con.connect() callback
1  var mysql = require('mysql2');
2
3  var con = mysql.createConnection({
4    host: "localhost",
5    user: "root",
6    password: "rajshree28",
7    database: "ishita"
8  });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT name, address FROM people", function (err, result, fields) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

The output in the terminal shows the result of the query:

```
{ name: 'Sandy', address: 'Ocean blvd 2' },
{ name: 'Betty', address: 'Green Grass 1' },
{ name: 'Richard', address: 'Sky st 331' },
{ name: 'Susan', address: 'One way 98' },
{ name: 'Vicky', address: 'Yellow Garden 2' },
{ name: 'Ben', address: 'Park Lane 38' },
{ name: 'William', address: 'Central st 954' },
{ name: 'Chuck', address: 'Main Road 989' },
{ name: 'Viola', address: 'Sideway 1633' },
{ name: 'Michelle', address: 'Blue Village 1' }
```

VS Code status bar: Ln 12, Col 46 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live

VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query code. The Explorer sidebar shows the file structure under a `MYSQL` folder.

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT * FROM people WHERE address = 'Park Lane 38'", function (err, result) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

The Terminal shows the command `node ishita2.js` and the output:

```
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
[ { id: 12, name: 'Ben', address: 'Park Lane 38' } ]
```

VS Code status bar at the bottom indicates: Ln 12, Col 34, Spaces: 2, UTF-8, CRLF, JavaScript.



File Edit Selection View Go Run Terminal Help

MySQL

EXPLORER

MYSQL

demo\_db\_connection.js

ishita.js

ishita2.js

ishita2.js > con.connect() callback

1 var mysql = require('mysql2');

2

3 var con = mysql.createConnection({

4 host: "localhost",

5 user: "root",

6 password: "rajshree28",

7 database: "ishita"

8 });

9 con.connect(function(err) {

10 if (err) throw err;

11 con.query("SELECT \* FROM people WHERE address LIKE 'S'", function (err, result) {

12 if (err) throw err;

13 console.log(result);

14 });

15 });

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

node

{ id: 9, name: 'Richard', address: 'Sky st 331' },

{ id: 15, name: 'Viola', address: 'Sideway 1633' }

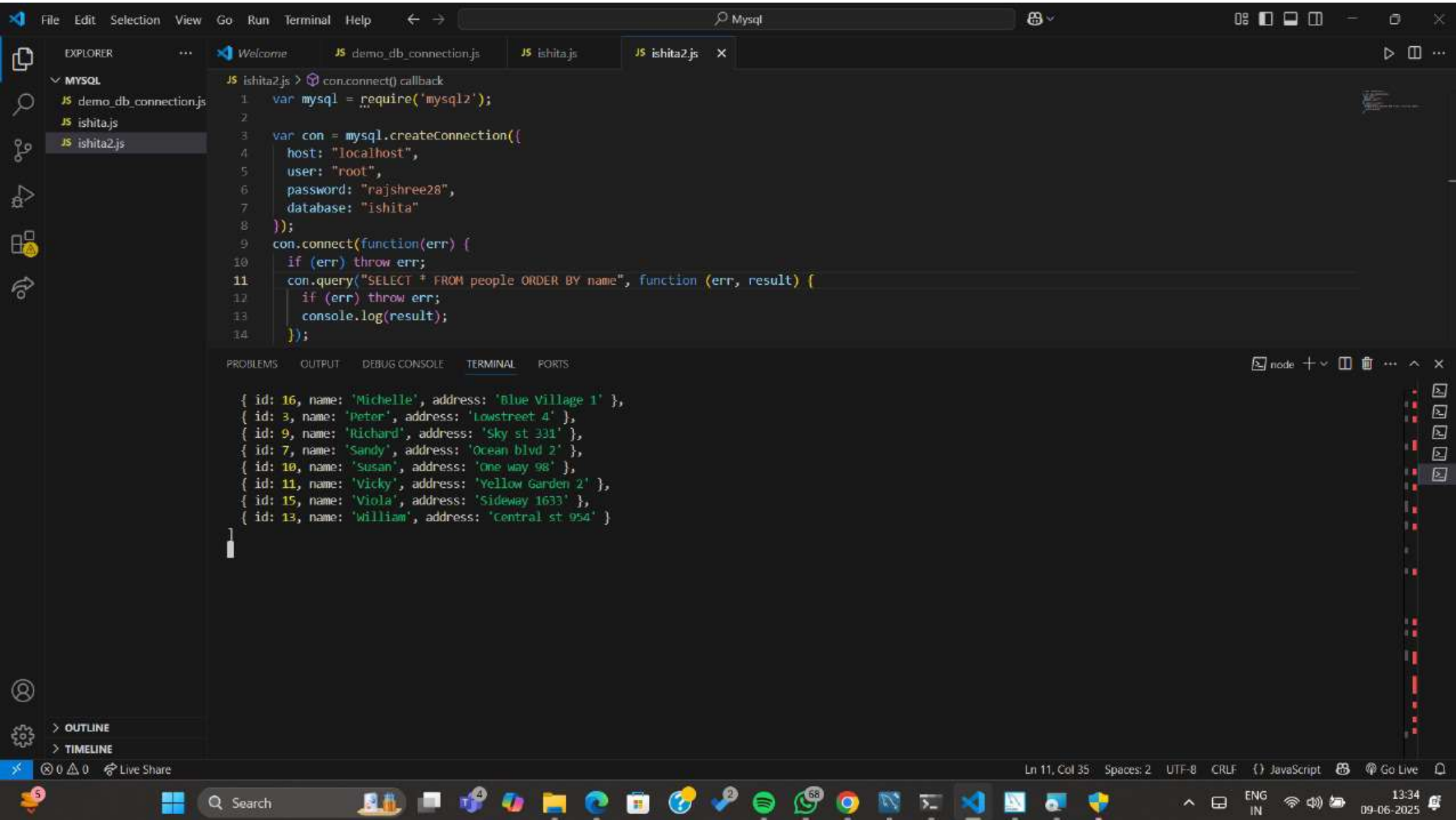
}

Ln 11, Col 34 Spaces: 2 UTF-8 CRLF JavaScript Go Live

0 0 0 Live Share

Search

13:32 09-06-2025



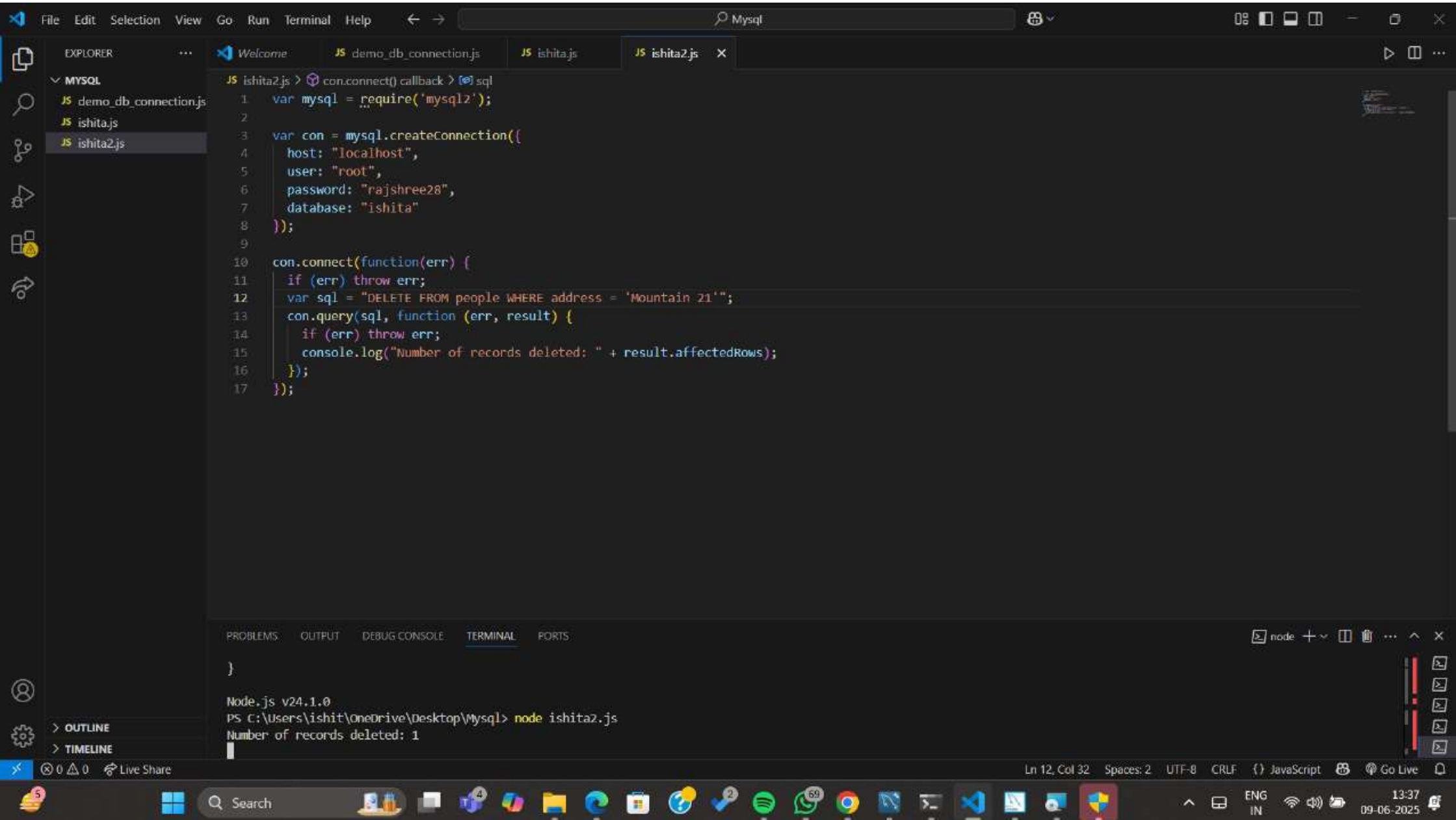
VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query code. The code connects to a database named 'ishita' and queries a table named 'people'.

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT * FROM people ORDER BY name DESC", function (err, result) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

The terminal output shows the result of the query, listing 16 records with id, name, and address:

```
{ id: 13, name: 'William', address: 'Central st 954' },
{ id: 15, name: 'Viola', address: 'Sideway 1633' },
{ id: 11, name: 'Vicky', address: 'Yellow Garden 2' },
{ id: 10, name: 'Susan', address: 'One way 98' },
{ id: 7, name: 'Sandy', address: 'Ocean blvd 2' },
{ id: 9, name: 'Richard', address: 'Sky st 331' },
{ id: 3, name: 'Peter', address: 'Lowstreet 4' },
{ id: 16, name: 'Michelle', address: 'Blue Village 1' },
{ id: 6, name: 'Michael', address: 'Valley 345' },
{ id: 2, name: 'John', address: 'Highway 71' },
{ id: 5, name: 'Hannah', address: 'Mountain 21' },
{ id: 1, name: 'Company Inc', address: 'Highway 37' },
{ id: 14, name: 'Chuck', address: 'Main Road 989' },
{ id: 8, name: 'Betty', address: 'Green Grass 1' },
{ id: 12, name: 'Ben', address: 'Park Lane 38' },
{ id: 4, name: 'Amy', address: 'Apple st 652' }
```

VS Code status bar: Ln 12, Col 34 Spaces: 2 UTF-8 CRLF JavaScript Go Live



VS Code interface showing a JavaScript file named `ishita2.js` with the following code:

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   var sql = "DROP TABLE customers";
13   con.query(sql, function (err, result) {
14     if (err) throw err;
15     console.log("Table deleted");
16   });
17 });
18
```

The terminal output shows:

```
Number of records deleted: 1
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
Table deleted
```

The status bar at the bottom indicates: Ln 18, Col 1 | Spaces: 2 | UTF-8 | CRLF | {} JavaScript | Go Live



VS Code interface showing a JavaScript file named `ishita2.js` with MySQL connection and query code. The Explorer sidebar shows the file structure under a `MYSQL` folder.

```
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   var sql = "UPDATE people SET address = 'Canyon 123' WHERE address = 'Valley 345'";
13   con.query(sql, function (err, result) {
14     if (err) throw err;
15     console.log(result.affectedRows + " record(s) updated");
16   });
17 });
```

The Terminal output shows:

```
Table deleted
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
1 record(s) updated
```

VS Code status bar: Ln 12, Col 27, Spaces: 2, UTF-8, CRLF, JavaScript. System tray shows the time 13:43 on 09-06-2025.

VS Code interface showing a MySQL database connection script in `ishita2.js` and the resulting query output in the terminal.

**Explorer:** `MYSQL` folder containing `demo_db_connection.js`, `ishita.js`, and `ishita2.js`.

**Editor:** `ishita2.js` content:

```
1  var mysql = require('mysql2');
2
3  var con = mysql.createConnection({
4    host: "localhost",
5    user: "root",
6    password: "rajshree28",
7    database: "ishita"
8  });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   var sql = "SELECT * FROM people LIMIT 5";
13   con.query(sql, function (err, result) {
14     if (err) throw err;
15     console.log(result);
16   });
17 });
```

**Terminal:** Output of the query:

```
[
  { id: 1, name: 'Company Inc', address: 'Highway 37' },
  { id: 2, name: 'John', address: 'Highway 71' },
  { id: 3, name: 'Peter', address: 'Lowstreet 4' },
  { id: 4, name: 'Amy', address: 'Apple st 652' },
  { id: 4, name: 'Amy', address: 'Apple st 652' },
  { id: 6, name: 'Michael', address: 'Canyon 123' }
]
```

**Status Bar:** Ln 12, Col 34 | Spaces: 2 | UTF-8 | CRLF | JavaScript | Go Live

VS Code interface showing a MySQL database connection script and its output.

**EXPLORER**

- MYSQL
  - demo\_db\_connection.js
  - ishita.js
  - ishita2.js

**Editor**

```
JS ishita2.js > con.connect() callback > [0] sql
1 var mysql = require('mysql2');
2
3 var con = mysql.createConnection({
4   host: "localhost",
5   user: "root",
6   password: "rajshree28",
7   database: "ishita"
8 });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   var sql = "SELECT * FROM people LIMIT 5 OFFSET 2";
13   con.query(sql, function (err, result) {
14     if (err) throw err;
15     console.log(result);
16   });
17 });
```

**TERMINAL**

```
node
[
  { id: 4, name: 'Amy', address: 'Apple st 652' },
  { id: 6, name: 'Michael', address: 'Canyon 123' }
]
PS C:\Users\ishit\OneDrive\Desktop\MySQL> node ishita2.js
[
  { id: 3, name: 'Peter', address: 'Lowstreet 4' },
  { id: 4, name: 'Amy', address: 'Apple st 652' },
  { id: 6, name: 'Michael', address: 'Canyon 123' },
  { id: 7, name: 'Sandy', address: 'Ocean blvd 2' },
  { id: 8, name: 'Betty', address: 'Green Grass 1' }
]
```

**STATUS BAR**

Ln 12, Col 34 Spaces: 2 UTF-8 CRLF {} JavaScript Go Live

