



# Node.js MySQL

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Node.js can be used in database applications.

One of the most popular databases is MySQL.

## MySQL Database

To be able to experiment with the code examples, you should have MySQL installed on your computer.

You can download a free MySQL database at <https://www.mysql.com/downloads/>.

## Install MySQL Driver

Once you have MySQL up and running on your computer, you can access it by using Node.js.

To access a MySQL database with Node.js, you need a MySQL driver. This tutorial will use the "mysql" module, downloaded from NPM.

To download and install the "mysql" module, open the Command Terminal and execute the following:

```
C:\Users\Your Name>npm install mysql
```



```
var mysql = require('mysql');
```

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## Create Connection

Start by creating a connection to the database.

Use the username and password from your MySQL database.

demo\_db\_connection.js

```
var mysql = require('mysql');

var con = mysql.createConnection({
  host: "localhost",
  user: "yourusername",
  password: "yourpassword"
});

con.connect(function(err) {
  if (err) throw err;
  console.log("Connected!");
});
```

[Run example »](#)

Save the code above in a file called "demo\_db\_connection.js" and run the file:



Which will give you this result:

Connected!

Now you can start querying the database using SQL statements.

## Query a Database

Use SQL statements to read from (or write to) a MySQL database. This is also called "to query" the database.

The connection object created in the example above, has a method for querying the database:

```
con.connect(function(err) {  
  if (err) throw err;  
  console.log("Connected!");  
  con.query(sql, function (err, result) {  
    if (err) throw err;  
    console.log("Result: " + result);  
  });  
});
```

The query method takes an sql statements as a parameter and returns the result.

Learn how to read, write, delete, and update a database in the next chapters.

Read more about SQL statements in our [SQL Tutorial](#).

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