

Node.js MySQL

< Previous</p>

Next >

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 <a href="https://www.mysql.com/downloads/">https://www.mysql.com/downloads/</a>.

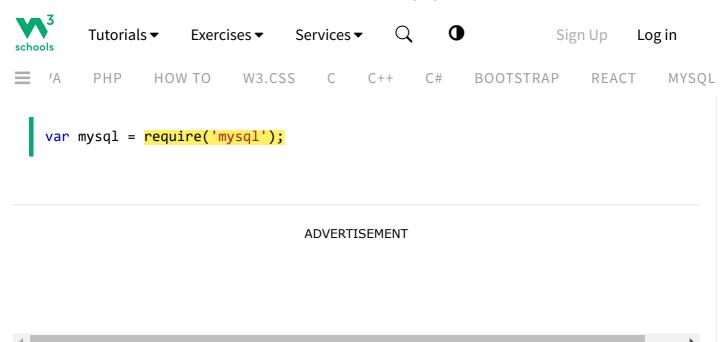
# Install MySQL Driver

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



### **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 <u>SQL Tutorial</u>.

Previous

Log in to track progress

Next >



Tutorials **▼** 

Exercises ▼ Services ▼ Q

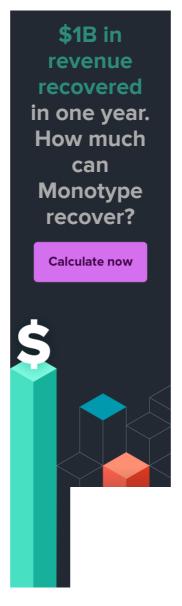
•

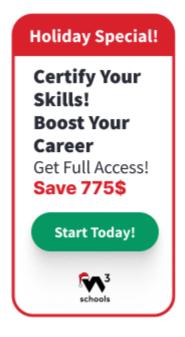
Sign Up Log in

**=** /A

PHP HOW TO

W3.CSS C C++ C# BOOTSTRAP REACT MYSQL











**ADVERTISEMENT** 

ADVERTISEMENT



Exercises ▼ Services ▼ Q **①** Tutorials **▼** 

Sign Up Log in

**=** /A

PHP HOW TO W3.CSS C C++ C# BOOTSTRAP REACT MYSQL

**ADVERTISEMENT** 



SPACES

UPGRADE AD-FREE

NEWSLETTER GET CERTIFIED

**REPORT ERROR** 

**Top Tutorials** 

**HTML Tutorial CSS Tutorial** JavaScript Tutorial How To Tutorial **SQL Tutorial** 



Tutorials **▼** 

Exercises **▼** 

Services **▼** 

Q

Sign Up Log in

**=** /A

HOW TO

W3.CSS

С

C++

C#

BOOTSTRAP

REACT

MYSQL

jQuery Tutorial

#### **Top References**

**HTML Reference CSS Reference** JavaScript Reference **SQL** Reference **Python Reference W3.CSS** Reference **Bootstrap Reference PHP Reference HTML Colors** Java Reference **Angular Reference ¡Query Reference** 

### **Top Examples**

**HTML Examples CSS Examples JavaScript Examples How To Examples SQL Examples Python Examples W3.CSS Examples Bootstrap Examples PHP Examples** Java Examples **XML Examples** jQuery Examples

### **Get Certified**

**HTML** Certificate **CSS Certificate JavaScript Certificate Front End Certificate SOL** Certificate **Python Certificate PHP Certificate ¡Query Certificate** Java Certificate C++ Certificate C# Certificate **XML** Certificate









in O FORUM ABOUT

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning.

Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness

of all content. While using W3Schools, you agree to have read and accepted our terms of use, cookie and privacy policy.

Copyright 1999-2023 by Refsnes Data. All Rights Reserved. W3Schools is Powered by

■ 'A PHP HOW TO W3.CSS C C++ C# BOOTSTRAP REACT MYSQL