Node.js with MySQL

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

Follow the instruction to install MySQL and create user id and password. (root/root; hyip/hyip)

**How to set or change the PATH system variable?**

<https://www.java.com/en/download/help/path.xml>

(MySQL Community Server(GPL) version 5.7.20)

mysql\_installer\_web\_community\_5.7.20.0.msi (10/25/2017)

MySQL TCP/IP: port number 3306

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

C:\nodejs\_workspace\mysql>npm install mysql

Now you have downloaded and installed a mysql database driver.

Node.js can use this module to manipulate the MySQL database:

var mysql = require('mysql');

**Create Connection**

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!");  
});

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

C:\nodejs\_workspace\mysql>node mysql\_connection.js

Which you will get this result:

Connected!

**The Result Object**

When executing a query, a result object is returned.

The result object contains information about how the query affected the table.

The result object looks like this:

{  
  fieldCount: 0,  
  affectedRows: 14,  
  insertId: 0,  
  serverStatus: 2,  
  warningCount: 0,  
  message: '\'Records:14  Duplicated: 0  Warnings: 0',  
  protocol41: true,  
  changedRows: 0  
}

The values of the properties can be displayed like this:

Example

Return the number of affected rows:

console.log(result.affectedRows)

Which will produce this result:

14

**Selecting From a Table**

To select data from a table in MySQL, use the "SELECT" statement.

Example

Select all records from the "customers" table, and display the result object:

var mysql = require('mysql');  
  
var con = mysql.createConnection({  
  host: "localhost",  
  user: "yourpassword",  
  password: "yourpassword",  
  database: "nodejs"  
});  
  
con.connect(function(err) {  
  if (err) throw err;  
  con.query("**SELECT \* FROM customers**", function (err, result, fields) {  
    if (err) throw err;  
    console.log(result);  
  });  
});