

Node.js MySQL

Node.js MySQL is one of the external libraries of Node.js. It helps Node.js developers to connect to MySQL database and execute MySQL Queries.

We shall learn to install MySQL module in Node.js using npm, and use SQL statements with clearly illustrated examples.

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Following is quick view of topics we are going to learn about Node.js MySQL

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Install MySQL in Node.js

As Node.js MySQL is an external module, it can be installed using NPM (Node Package Manager).

Run the following command in terminal or command prompt to install MySQL module and use it in Node.js programs.

```
$ npm install mysql
```

```
$ npm install mysql
```

After successful install, you may use MySQL module in node.js programs by declaring its usage with a require statement as shown below.

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

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

Note – If MySQL module is not installed, but used in Node.js programs, you might get the *Error : Cannot find module 'mysql'*.

Create Connection to MySQL Database

To create a connection variable with IP Address (of server where MySQL server is running), User Name and Password (of user that has access the MySQL database). An example is provided below :

```
var con =  
mysql.createConnection({
```

```
var con = mysql.createConnection({  
  host: "localhost", // ip address of server running mysql  
  user: "arjun", // user name to your mysql database  
  password: "password", // corresponding password  
  database: "studentsDB" // use this database to querying context  
});
```

SELECT FROM Query

MySQL SELECT Query is used to select some of the records (with some of their properties if required) of a table.

```
con.query("SELECT *  
FROM
```

```
con.query("SELECT * FROM studentsDB.students", function (err, result, fields) {  
  // if any error while executing above query, throw error  
  if (err) throw err;  
  // if there is no error, you have the result  
  console.log(result);  
});
```