Nodejs MySQL Handbook

Through Nodejs and MySQL Module we can create databases in MySQL, create tables and can insert data and perform other operations on MySQL Database.

To install mysql module

write command

npm install mysql

Program in Nodejs to connect to a MySQL Server

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

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

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

Program in nodejs to create a database in MySQL Server with name as nodejsdb1

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

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

con.connect(function(err) {
    if (err) throw err;
    console.log("Connected!");
    con.query("CREATE DATABASE nodejsdb1", function (err, result) {
        if (err) throw err;
        console.log("Database created");
    });
});
```

Program in Nodejs to create a table contacts with two fields name and address in database nodejsdb1

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

var con = mysql.createConnection({
    host: "localhost",
    user: "root",
    password: "",
    database: "nodejsdb1"
});

con.connect(function(err) {
```

```
        if (err) throw err;
        console.log("Connected!");
        var sql = "CREATE TABLE contacts (name VARCHAR(255), address
VARCHAR(255))";
        con.query(sql, function (err, result) {
            if (err) throw err;
            console.log("Table created");
        });
    });
```

Program in nodejs to insert a record in table contacts

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

var con = mysql.createConnection({
    host: "localhost",
    user: "root",
    password: "",
    database: "nodejsdb1"
});

con.connect(function(err) {
    if (err) throw err;
    console.log("Connected!");
    var sql = "INSERT INTO contacts (name, address) VALUES ('Raman',
'Address 1')";
    con.query(sql, function (err, result) {
        if (err) throw err;
        console.log("1 record inserted");
    });
});
```

Program in nodejs to retrieve data from mysql table contacts in database nodejsdb1

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

var con = mysql.createConnection({
    host: "localhost",
    user: "root",
    password: "",
    database: "nodejsdb1"
});

con.connect(function(err) {
    if (err) throw err;
    con.query("SELECT * FROM contacts", function (err, result, fields) {
        if (err) throw err;
        console.log(result);
    });
});
```