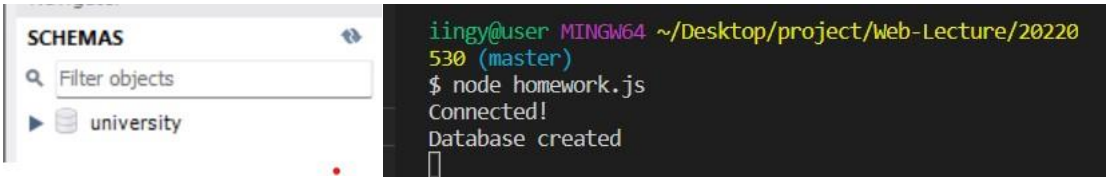
2018038083 이인규 Web Assignment for Lecture 14

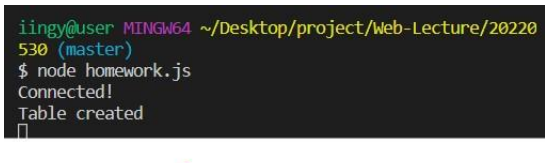
1. Connect and Create Database

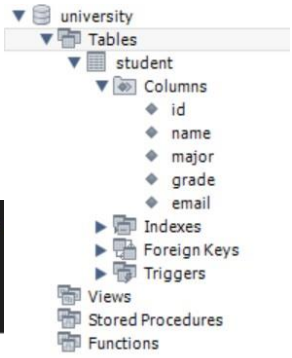


[code]

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

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

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

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

2. Create Table

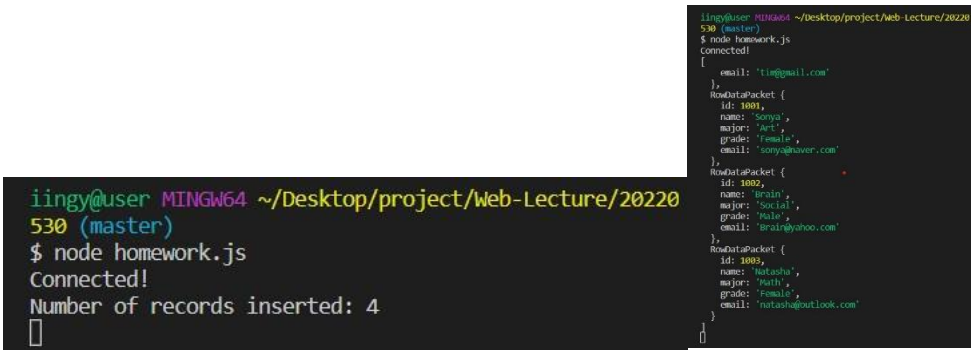




[code]

```
var sql="CREATE TABLE student ("+
        "id INT PRIMARY KEY,"+
        "name VARCHAR(255),"+
        "major VARCHAR(255),"+
        "grade VARCHAR(255),"+
        "email VARCHAR(255)"+
        ")";

    con.query(sql,function(err,result){
        if(err) throw err;
        console.log("Table created");
    });
```

3. Insert value



[code]

```
var sql = "INSERT INTO student (id,name,major,grade,email) VALUES ?";
    var values = [
        [1000, 'Tim', 'Computer', 'Male', 'tim@gmail.com'],
        [1001, 'Sonya', 'Art', 'Female', 'sonya@naver.com'],
        [1002, 'Brain', 'Social', 'Male', 'Brain@yahoo.com'],
        [1003, 'Natasha', 'Math', 'Female', 'natasha@outlook.com']
    ];
    con.query(sql, [values], function (err, result) {
        if (err) throw err;
        console.log("Number of records inserted: " + result.affectedRows);
    });
```

4. SELECT query with WHERE (id <1002)

```
$ node homework.js
Connected!
[
  RowDataPacket {
    id: 1000,
    name: 'Tim',
    major: 'Computer',
    grade: 'Male',
    email: 'tim@gmail.com'
  },
  RowDataPacket {
    id: 1001,
    name: 'Sonya',
    major: 'Art',
    grade: 'Female',
    email: 'sonya@naver.com'
  }
]
```

[code]

```
var sql="SELECT * FROM student WHERE id<=1001";
    con.query(sql,function(err,result,fields){
        if(err) throw err;
        console.log(result);
    })
```

5. Update emails to 123@naver.com

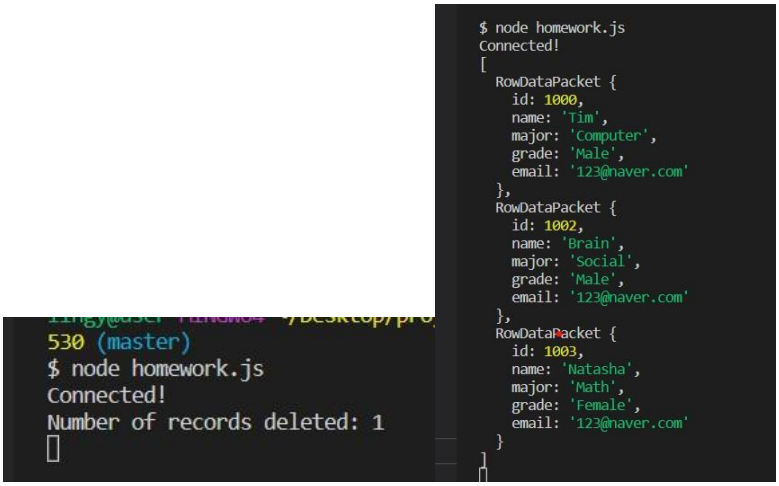
```
    grade: 'Female',
    email: '123@naver.com'
  },
  RowDataPacket {
    id: 1002,
    name: 'Brain',
    major: 'Social',
    grade: 'Male',
    email: '123@naver.com'
  },
  RowDataPacket {
    id: 1003,
    name: 'Natasha',
    major: 'Math',
    grade: 'Female',
    email: '123@naver.com'
  }
]
```

```
iingy@user MINGW64 ~/Desktop/project/Web-Lecture/20220
530 (master)
$ node homework.js
Connected!
4 record(s) updated
```

[code]

```
var sql = "UPDATE student SET email = '123@naver.com'";
    con.query(sql, function (err, result) {
        if (err) throw err;
        console.log(result.affectedRows + " record(s) updated");
    });
```

6. Delete Row id=1001



[code]

```
var sql = "DELETE FROM student WHERE id = 1001";
    con.query(sql, function (err, result) {
        if (err) throw err;
        console.log("Number of records deleted: " + result.affectedRows);
    });
```

7. Show tables code

[code]

```
con.query(sql, function (err, result, fields) {
        if (err) throw err;
        console.log(result);
    })
```

@느낀점 :

This is my first time dealing with mysql. Everything that came up with the assignment was simple, but it didn't make it easy. And I'm starting to get interested in data management. So, I am planning to study mysql during vacation.