

LAB02 Back-end Server ด้วย Nodejs from the Begining

STEP1. เตรียม Database ทำตามคำสั่งต่อไปนี้

สร้าง Database / Table / Insert / Select Command

```
CREATE DATABASE moviedb;
SHOW DATABASES;

USE moviedb;
SHOW TABLES;

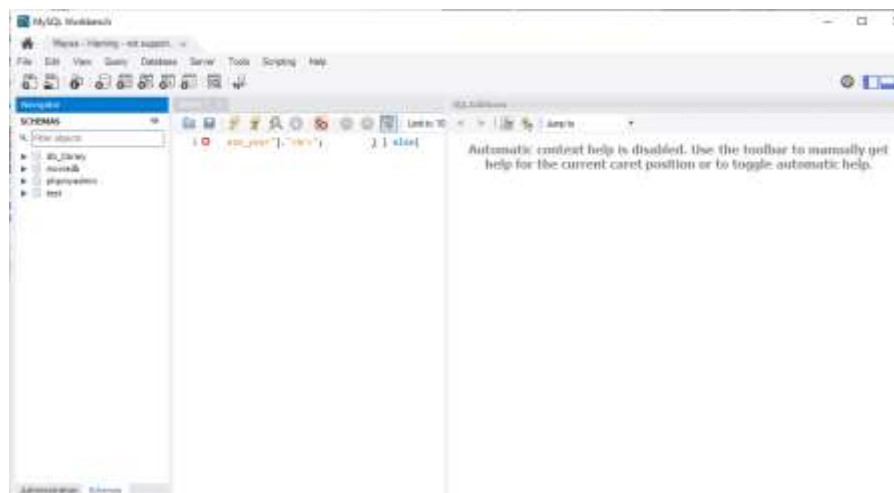
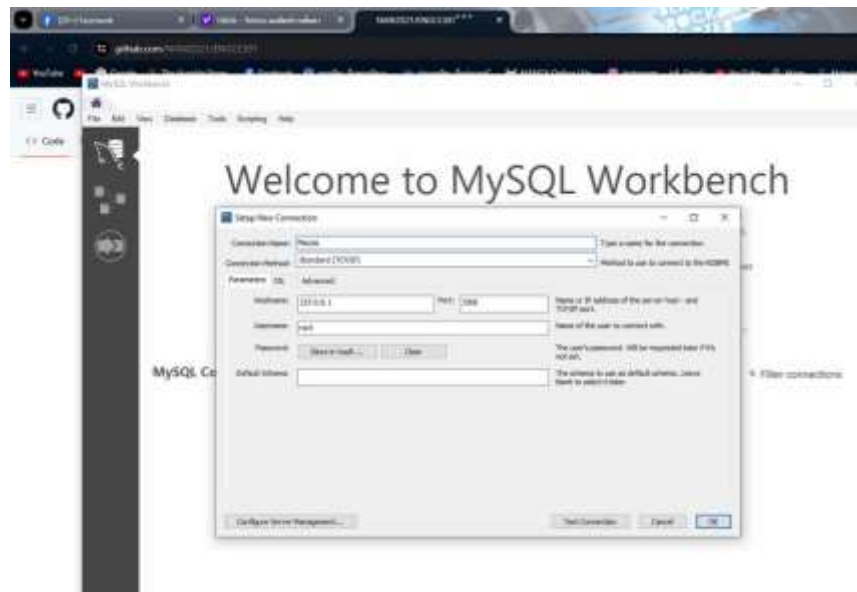
CREATE TABLE movies(title VARCHAR(50) NOT NULL,genre VARCHAR(30)
NOT NULL,director VARCHAR(60) NOT NULL,release_year INT NOT
NULL,PRIMARY KEY(title));

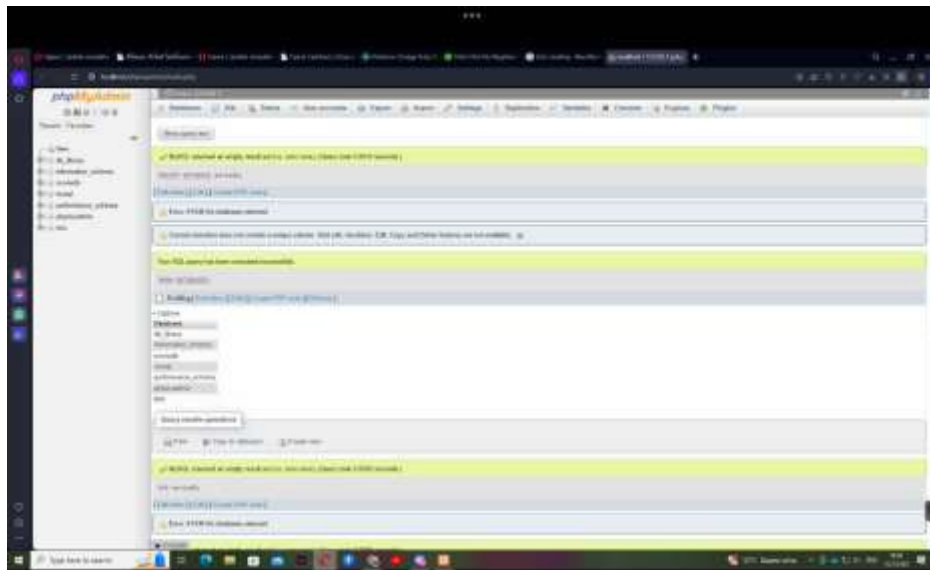
INSERT INTO movies VALUE ("Joker", "psychological thriller", "Todd
Phillips", 2019);

SELECT * FROM movies;

-- -----
```

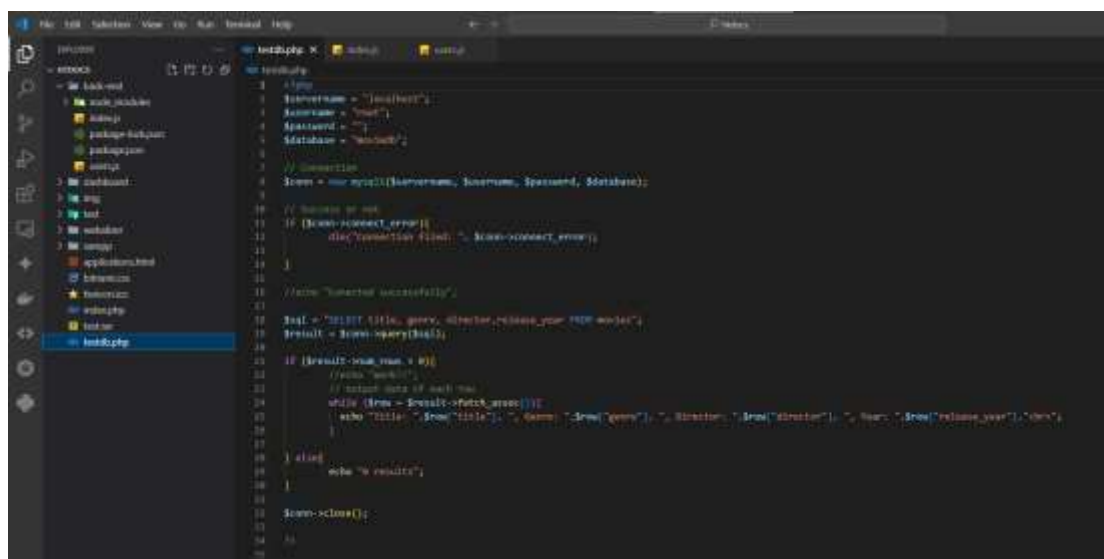
1.ทำการสร้าง Connection





สร้างไฟล์ testdb.php และเก็บไว้ที่ c:\xampp\htdocs\testdb.php

Connection to MySQL using MySQLi



<http://localhost/testdb.php>

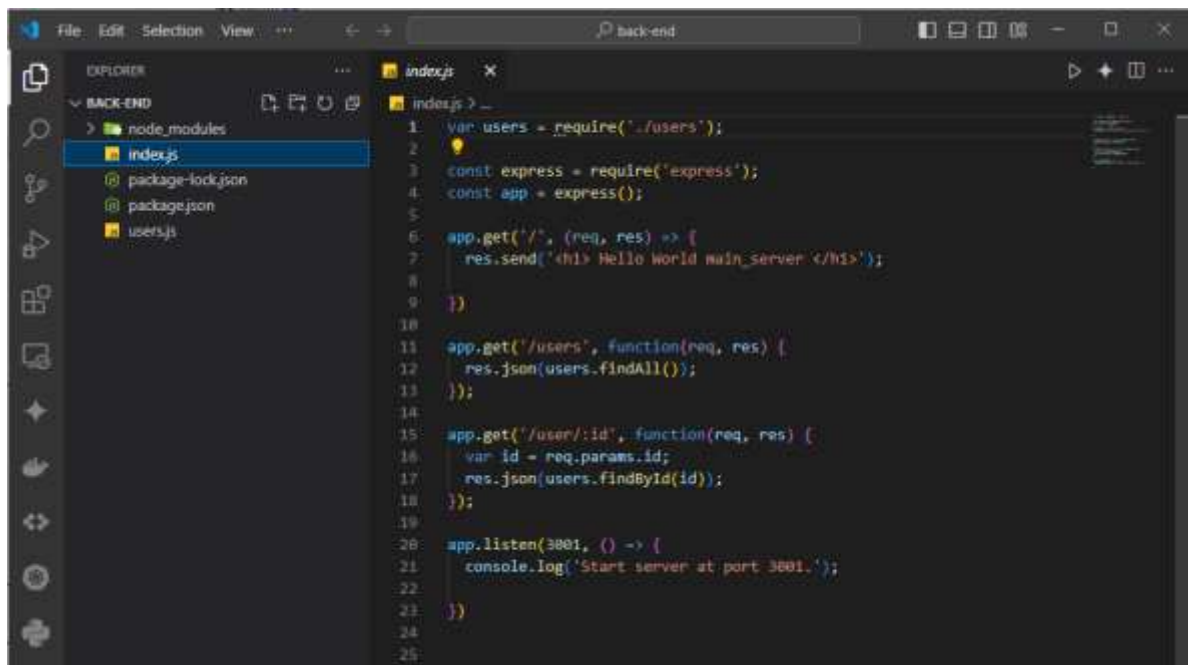


STEP2. Restful API ด้วย Nodejs

เข้าไปที่ c:\xampp\htdocs\back-end

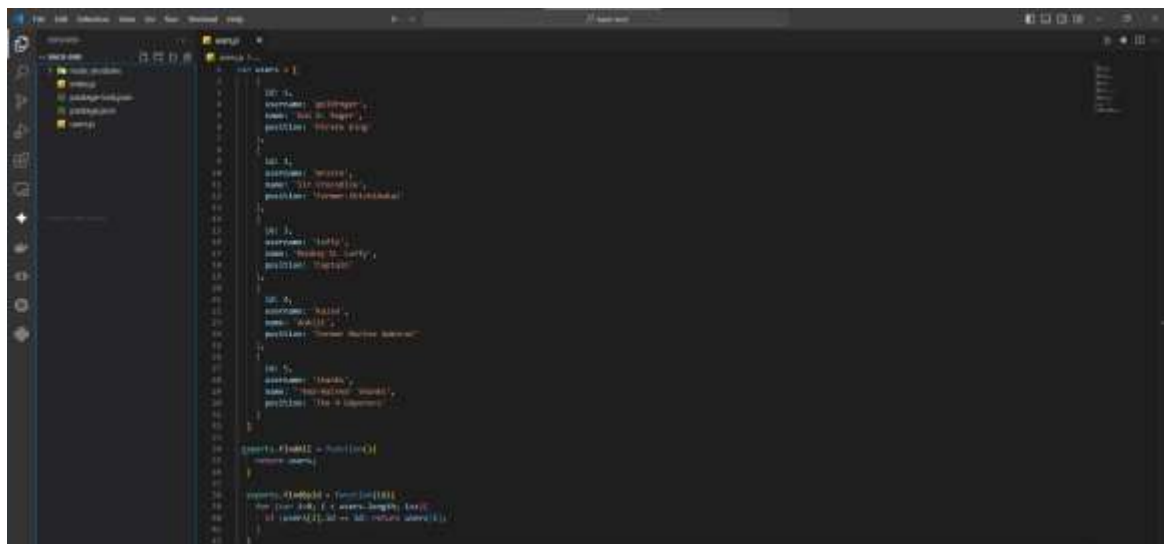
สร้าง web server บน nodejs ด้วย package ชื่อ express

สร้างไฟล์ใหม่ชื่อ index.js



```
1  var users = require('./users');
2
3  const express = require('express');
4  const app = express();
5
6  app.get('/', (req, res) => {
7    res.send('<h1> Hello World main_server </h1>');
8  });
9
10
11 app.get('/users', function(req, res) {
12   res.json(users.findAll());
13 });
14
15 app.get('/user/:id', function(req, res) {
16   var id = req.params.id;
17   res.json(users.findById(id));
18 });
19
20 app.listen(3001, () => {
21   console.log('Start server at port 3001.');
```

สร้างไฟล์ users.js



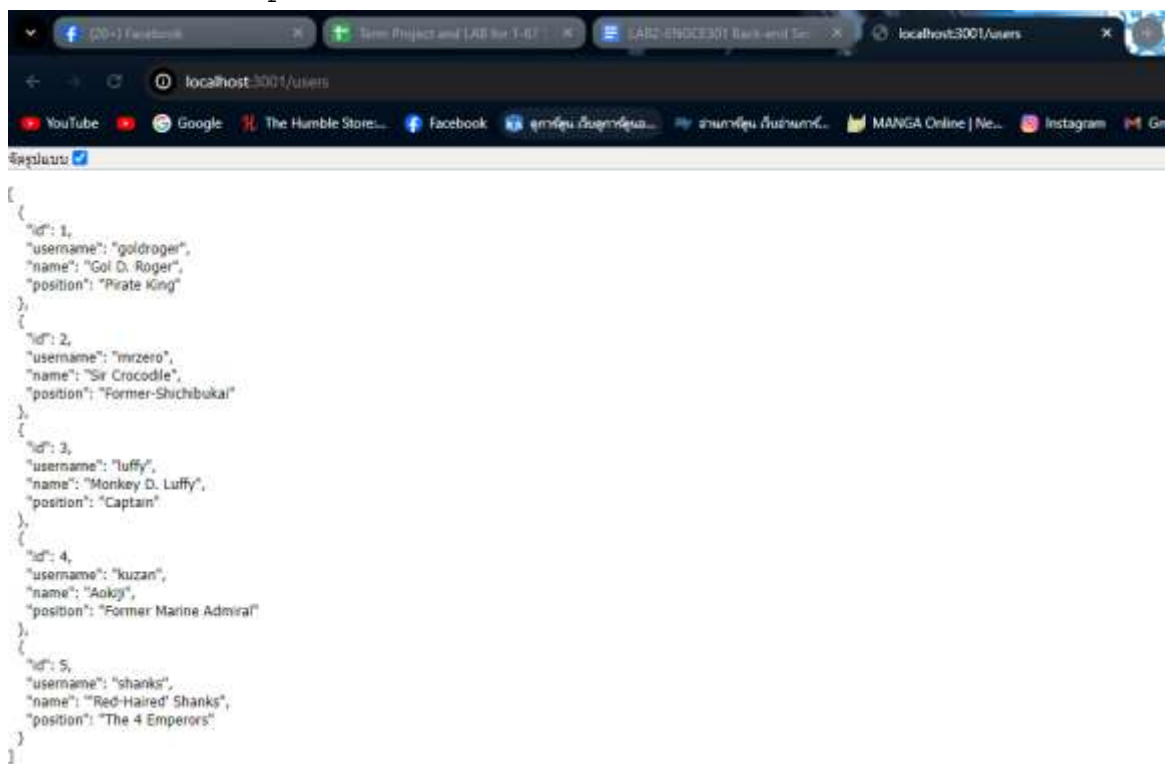
```
const users = [
  {
    id: 1,
    username: "goldroger",
    name: "Gol D. Roger",
    position: "Pirate King",
  },
  {
    id: 2,
    username: "mrzero",
    name: "Sir Crocodile",
    position: "Former Shichibukai",
  },
  {
    id: 3,
    username: "luffy",
    name: "Monkey D. Luffy",
    position: "Captain",
  },
  {
    id: 4,
    username: "kuzan",
    name: "Aokiji",
    position: "Former Marine Admiral",
  },
  {
    id: 5,
    username: "shanks",
    name: "Red-Haired Shanks",
    position: "The 4 Emperors",
  },
];

const findById = (id) => {
  return users.find((user) => user.id === id);
};

const findAllById = (ids) => {
  return users.filter((user) => ids.includes(user.id));
};
```

ทดลองเรียก API

<http://localhost:3001/users>



และ

<http://localhost:3001/user/5>

