**CS 5610**

**Lab Handon code**

**app.js**

"use strict";

console.log("Hello World");

**EXPRESS EXAMPLE**

"use strict";

const app = express(); // This creates an instance of the Express application

const express = require("express"); // Import Express

const app = express(); // Create an Express application

const PORT = process.env.PORT || 8000; // Set the port number

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

**ROUTES EXAMPLE**

"use strict";

console.log("Hello World");

const express = require("express");

const app = express();

// Allows us to change the port easily by setting an environment variable

const PORT = process.env.PORT || 8000;

// Define a route for '/hello'

app.get('/hello', (req, res) => {

res.type("text");

res.send("Hello World from the /hello route!");

});

// Define a route for '/'

app.get('/', (req, res) => {

res.send("Welcome to the Home Page!");

});

// Define a route for '/home'

app.get('/home', (req, res) => {

res.send("Welcome to the Home route!");

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

**ROUTE PARAM EXAMPLE**

"use strict";

console.log("Hello World");

const express = require("express");

const app = express();

// Allows us to change the port easily by setting an environment variable

const PORT = process.env.PORT || 8000;

// Define the '/provinces/:province/cities/:city' route

app.get('/provinces/:province/cities/:city', (req, res) => {

const province = req.params.province; // 'bc'

const city = req.params.city; // 'Vancouver'

res.send(`You sent a request for ${city}, ${province}`);

});

// Define a route for '/hello'

app.get('/hello', (req, res) => {

res.type("text");

res.send("Hello World from the /hello route!");

});

// Define a route for '/'

app.get('/', (req, res) => {

res.send("Welcome to the Home Page!");

});

// Define a route for '/home'

app.get('/home', (req, res) => {

res.send("Welcome to the Home route!");

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

**ROUTE QUERY PARAM**

"use strict";

console.log("Hello World");

const express = require("express");

const app = express();

// Allows us to change the port easily by setting an environment variable

const PORT = process.env.PORT || 8000;

app.get("/provinceInfo", function (req, res) {

let province = req.query.province; // BC

let city = req.query.city; // Vancouver

// Check if both query parameters are provided

if (!province || !city) {

res.status(400).send("Error: Please provide both province and city in the query parameters.");

return;

}

// If both parameters exist, send a response using them

res.send(`You sent a request for ${city}, ${province}`);

});

// Define a route for '/hello'

app.get('/hello', (req, res) => {

res.type("text");

res.send("Hello World from the /hello route!");

});

// Define a route for '/'

app.get('/', (req, res) => {

res.send("Welcome to the Home Page!");

});

// Define a route for '/home'

app.get('/home', (req, res) => {

res.send("Welcome to the Home route!");

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});

**CUSTOM MODULE**

// **greeting.js - Custom Module**

module.exports.getGreeting = function(city, province) {

return `Welcome to ${city}, ${province}!`;

};

**PUG EXAMPLE**

"use strict";

const express = require("express");

const app = express();

// Set Pug as the template engine

app.set("view engine", "pug");

// Define the port

const PORT = process.env.PORT || 8000;

// Route to render the Pug template

app.get("/greet", (req, res) => {

let city = req.query.city || "Unknown City";

let province = req.query.province || "Unknown Province";

// Render the 'greeting' template and pass the data to it

res.render("greeting1", { city: city, province: province });

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on port ${PORT}`);

});