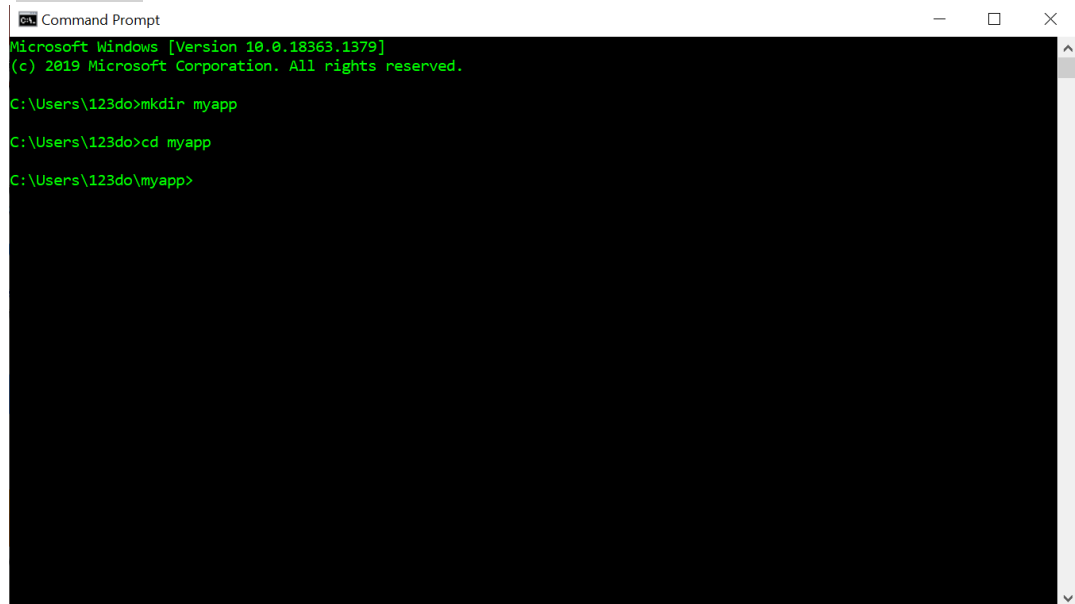


## Hello World with Node.js and Express

1. Install Node.js from the following link: <https://nodejs.org/en/>
2. Open command prompt and type the following

- mkdir myapp
- cd myapp



```
Command Prompt
Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.

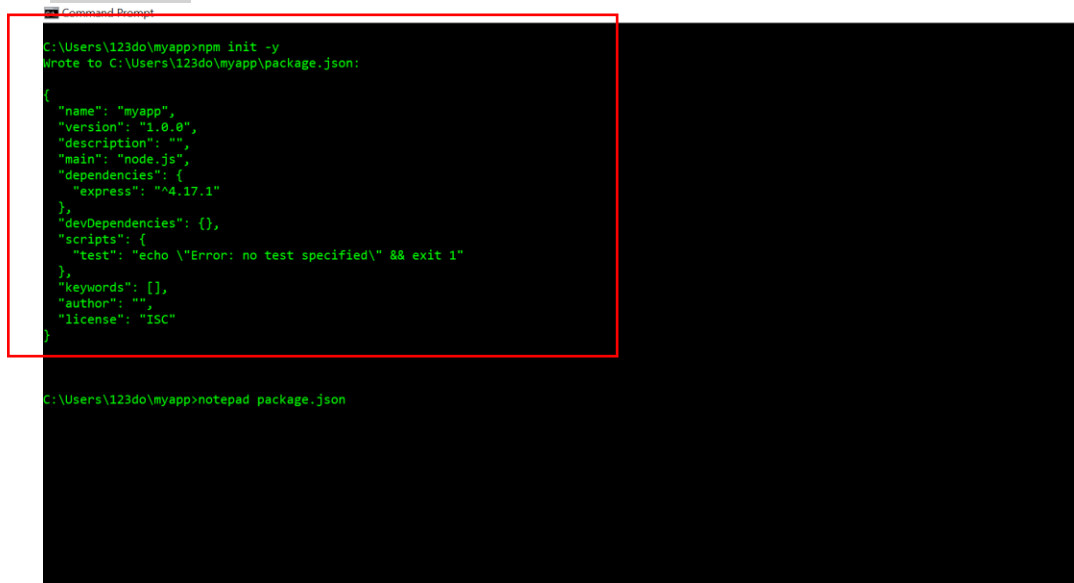
C:\Users\123do>mkdir myapp

C:\Users\123do>cd myapp

C:\Users\123do\myapp>
```

3. Run the following command to initialize your project

- npm init -y



```
Command Prompt
C:\Users\123do\myapp>npm init -y
Wrote to C:\Users\123do\myapp\package.json:

{
  "name": "myapp",
  "version": "1.0.0",
  "description": "",
  "main": "node.js",
  "dependencies": {
    "express": "^4.17.1"
  },
  "devDependencies": {},
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}

C:\Users\123do\myapp>notepad package.json
```

After executing the command, a **package.json** file generated in the project root directory. This holds all the metadata relevant to the project.

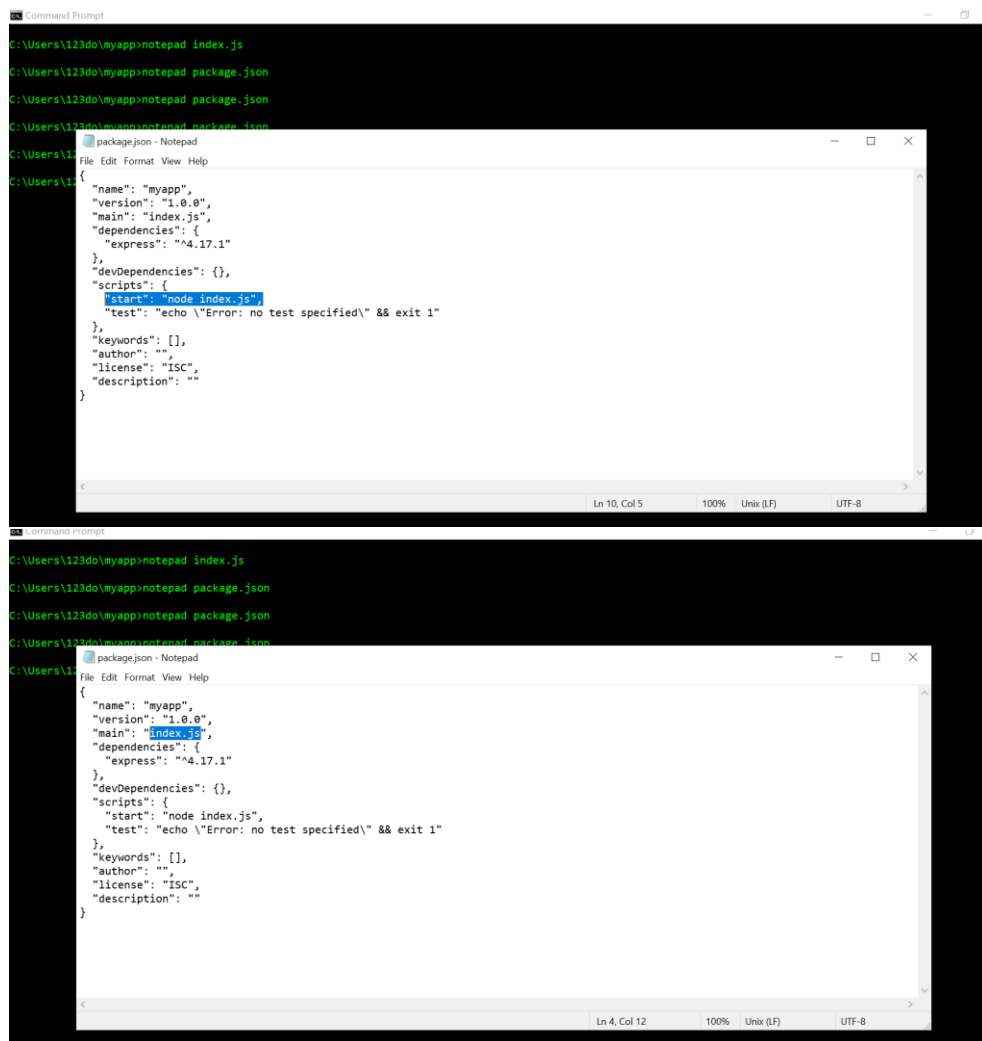
On this file, we can see something called **scripts**. This is the place where we add our own commands for the project. Let's modify this script with the following.

4. Type in the following cmd (the notepad cmd only works for **windows** users. If you are a **mac** user, please use a linux text editor cmd such as the Vim editor, `vim package.json`)

- `Notepad package.json`

You will see a notepad text file pop up. Add the following line into **scripts**

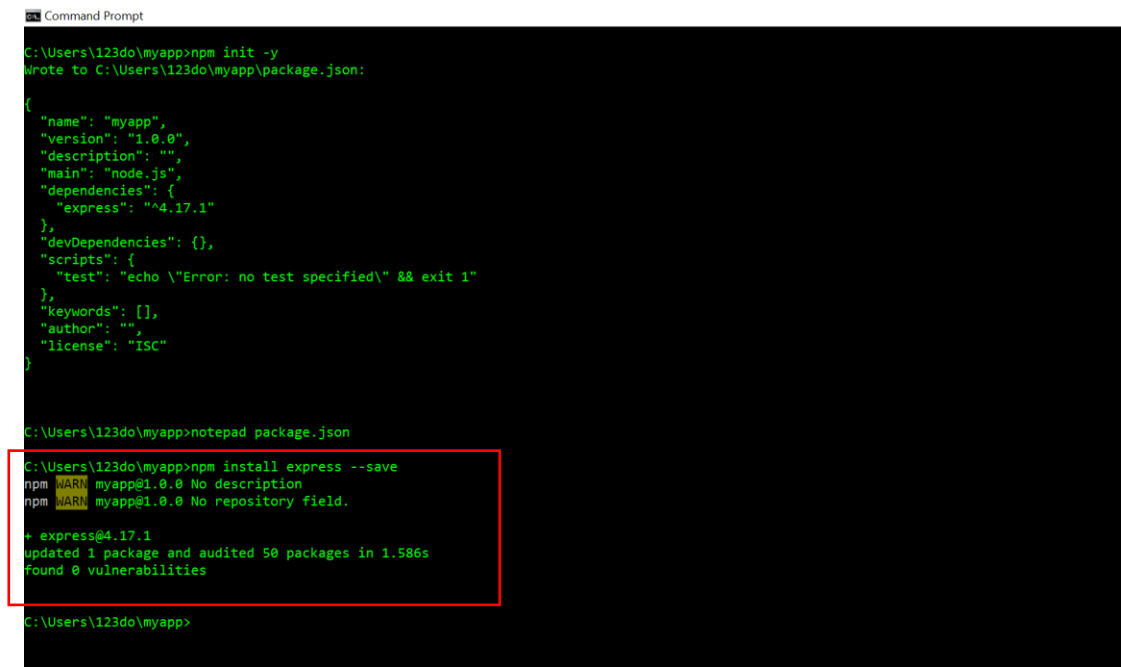
- `"start": "node index.js",`
- Also, we need to change the **main** from `node.js` to `index.js`
- Please look at the pictures below for further clarification
- **Remember to save the file afterward**



Here you are creating a new script command which starts the server when you type `npm start`. This script tells node that it should run the command `node index.js` every time when you execute the command `npm start`.

5. Now, let's create our server by doing the following cmd

- `npm install express --save`
- Here we are using express to create a new server that will be running on the port 3000.



```
Command Prompt
C:\Users\123do\myapp>npm init -y
Wrote to C:\Users\123do\myapp\package.json:

{
  "name": "myapp",
  "version": "1.0.0",
  "description": "",
  "main": "node.js",
  "dependencies": {
    "express": "^4.17.1"
  },
  "devDependencies": {},
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}

C:\Users\123do\myapp>notepad package.json

C:\Users\123do\myapp>npm install express --save
npm WARN myapp@1.0.0 No description
npm WARN myapp@1.0.0 No repository field.

+ express@4.17.1
updated 1 package and audited 50 packages in 1.586s
found 0 vulnerabilities

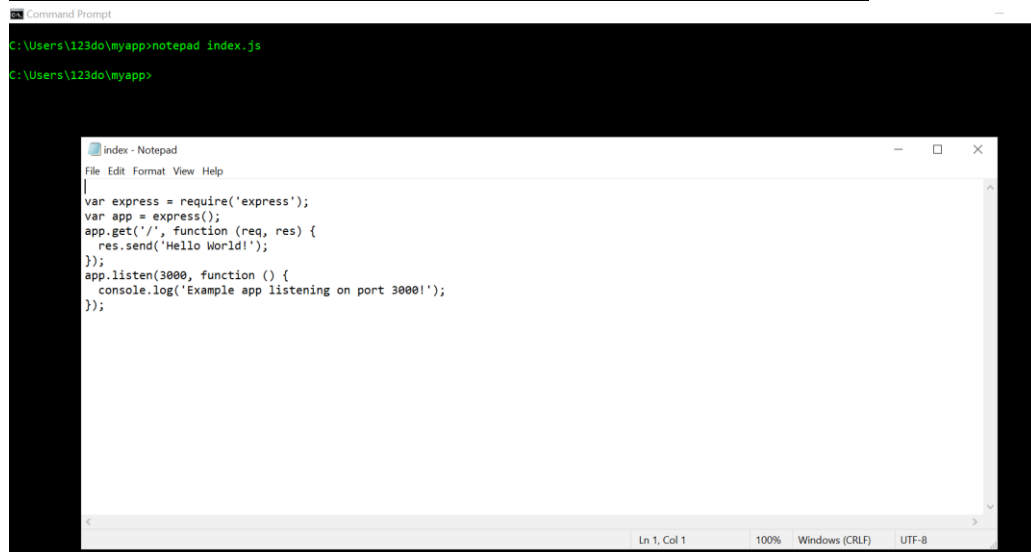
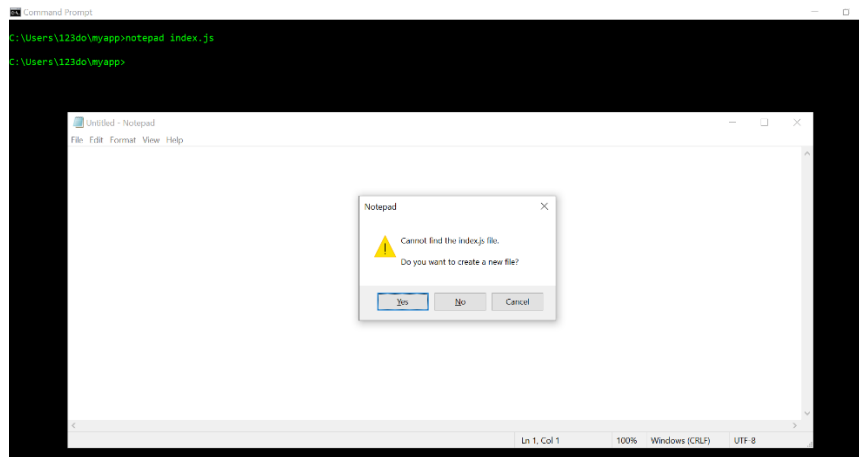
C:\Users\123do\myapp>
```

6. Now we create the index.js file by doing the following cmd(the notepad cmd only works for **windows** users. If you are a **mac** user, please use a linux text editor cmd such as the Vim editor, `vim index.js`)

- Notepad index.js
- Inside the index.js file, please insert the following

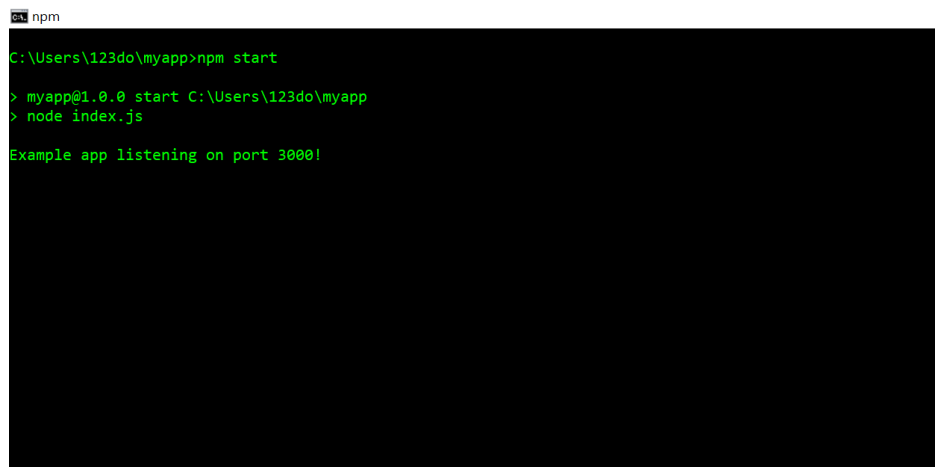
```
var express = require('express');
var app = express();
app.get('/', function (req, res) {
  res.send('Hello World!');
});
app.listen(3000, function () {
  console.log('Listening to Port 3000');
});
```

- **Remember to save the file afterward**



7. Now we can start the server with following cmd

- `npm start`



- Open your browser and navigate to <http://localhost:3000/>
- You should see Hello world getting displayed on the main page.

