Creating a Node.JS Web Server on Windows 10

Instructions:

1. Download Node.JS from https://nodejs.org/en/
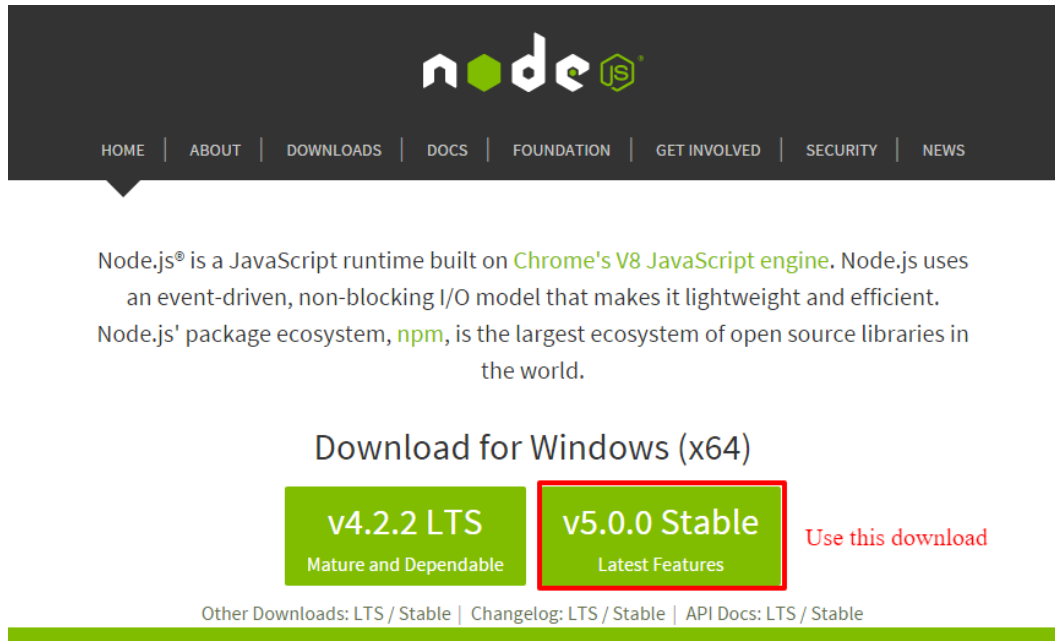
2. Run the downloaded ".msi" file and follow the prompt
3. Open Windows Powershell
4. Verify the installation was successful by typing "node --version"
5. Create a new project by typing "mkdir my-node-server"
6. Navigate to the new folder by typing "cd my-node-server"
7. Create the node project by typing "npm init"
8. Follow the prompt (this information does not matter for our tutorial purpose, so hitting the "Enter" key until it is finished will suffice)
9. After completing the prompt, install and save express by typing "npm install express --save"
10. Open your favorite text editor with a new file.

11. Add the following lines to the new file:

```
1   var express = require("express"); // import the express node package
2
3   var app = express(); // create a new instance of an express application
4
5   // set up the endpoint for requests at /
6   app.get("/", function(request, response) {
7       return response.send("Hello World!");
8   });
9
10  // start the server
11  app.listen(3000, function(){
12      console.log("App started on port 3000");
13  });
```

12. Save the file as "index.js" in the "my-node-server" directory
13. Run the application by going to the directory in Windows Powershell and typing "node index.js".
    The result should look something like this (however the directory path will be different):

```
PS C:\Users\Brian\my-node-server> node index.js
App started on port 3000
```

14. Navigate to http://localhost:3000 in your favorite web browser, and you should see the "Hello World" text