Notebook 2: How to create a HTTP Server in Node.js

This notebook will be setting up the basic code for a HTTP Server using Node.js

# Requirements

* For this you will need the files that we created in Notebook 1.

## Open the file you created in Notebook 1 in a code editor. For me this is called main.js

Once the file is opened it we will be adding the following code.

1. You will want to load the base http code at the top of the page

### const http = require('http');

## Once you have loaded the http code you will want to define the port

1. You can define the port by putting this right below

### const port = 8000;

## Once the port has been defined you need to make it so that when someone connects to the website

1. This is done by adding these few lines of code

### const server = http.createServer((req, res) => {

### res.statusCode = 200;

### res.setHeader('Content-Type', 'text/plain');

### res.end('Someone connected to the server');

### });

## Once this is done you will need to make it so that every time someone connects to the server it will ping their connection in console/command prompt

1. This is done by adding these 3 lines of code

### server.listen(port, () => {

### console.log(‘listening’);

### });

## Starting the server

1. Once you are done go to command prompt and use the cd command to navigate to wherever the folder and files are at on your computer.
2. Once you are in the folder type in “node main.js” the main.js can be exchanged for whatever you named your file.
3. If everything has been done properly it should say ‘listening’ in the command prompt
4. Once that has ran you would want to go to your browser and type in the address bar “localhost:8000
5. You should be met with a page that looks like this.

