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

In this entry, we will be setting up the basic code for an HTTP Server using Node.js.

# Requirements

* Notebook 1
* Files from Notebook 1
* Command Prompt
* A code editor
* A web browser

# Setting up the server

1. In a code editor, open the JS file you created in Notebook 1.
2. Add the following code:
   1. Load the HTTP module:

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

* 1. Define the port:

### const port = 3000;

* 1. This is what will happen when someone connects to your server.

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

### res.statusCode = 200;

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

### });

* + 1. Put this code at the end of the function you just added:

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

### let newURL = url.parse(req.url, true);

### if (newURL.pathname == "/alt") {

### res.end('alternate message');

### } else {

### res.end('message');

### }

This will change the response based on the address you go to.

* 1. Log something when someone connects to your server:

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

### console.log('listening')

### });

# Starting & testing the server

1. Open Command Prompt.
2. Use the “cd” command to navigate to the folder your file is in.
3. Once you are in the folder, type this in to run your file:

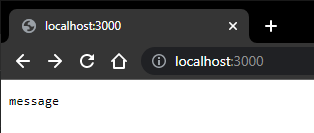
### node [[file name]].js

If everything has been done properly, it should say “listening” in Command Prompt.

1. Open your web browser.
2. Type this into the address bar:

### http://localhost:3000

You should be met with a page that looks like this:



1. Next, go to this address:

### http://localhost:3000/alt

You should see this instead:

