# Vanilla NodeJS

Create a folder `exercises\_vanila` then go to this folder in your terminal and execute:

```

npm init -y

```

## Exercise 0 ([Help - NPM](https://nodesource.com/blog/an-absolute-beginners-guide-to-using-npm/))

\* What file did you create with the previous command?

***A: I created the package.json***

\* What is the role of this file?

**A:**

**{**

**"name": "exercises\_vanila",**

**"version": "1.0.0",**

**"description": "",**

**"main": "index.js",**

**"scripts": {**

**"test": "echo \"Error: no test specified\" && exit 1"**

**},**

**"keywords": [],**

**"author": "",**

**"license": "ISC"**

**}**

## Exercise 1 ([Help - console](https://nodejs.org/api/console.html))

In a file `exercise1.js`:

Create a code that displays `hello` in the console.

**A:**

let intro = 'Hello'

console.log(intro);

To launch this file, type in your terminal `node exercise1.js`.

**A:**

**$ node exercise1.js**

**Hello**

## Exercise 2 ([Help - fs](https://nodejs.org/api/fs.html))

In a file `exercise2.js`:

Using the `writeFile` function, write `hello` in a file called `test.html`.

const fs = require('fs');

    fs.writeFile('text.html', 'Hello', function (err) {

        if (err)

        return console.log(err);

    });

**$ node exercise2.js**

**Open one file named: text.html in my Visual Code**

## Exercise 3 ([Help - fs](https://nodejs.org/api/fs.html))

In a file `exercise3.js`:

Using the `readFile` function, read the file `test.html` and display the content in the console.

**A:**

var fs = require('fs');

fs.readFile('text.html', 'utf8' , (err,data) => {

    if(err) throw err;

    console.log(data);

});

**$ node exercise3.js**

**Hello**

## Exercise 4 ([Help - fs](https://nodejs.org/api/fs.html))

In a file `exercise4.js`:

Write the work done in the previous exercises in ES5 or ES6 (depending which version you used).

**A:**

var fs = require('fs');

fs.readFile('text.html', 'utf8' , function (err,data) {

    if(err) throw err;

    console.log(data);

});

**Obs: I wrote the name ‘function’ before the (err,data),**

**To switch for E6 I need to put arrow function ( =>) after (err,data).**

## Exercise 5 ([Help - http](https://nodejs.org/api/http.html))

In a file `exercise5.js`:

Copy this code and run it in the console. What's going on?

**A:**

**I create one protocol HTTP, I used the .createServer (function) + (req, res) { resp.end** (Im sending one mensagege), **(‘Hello Word)})**

**And then I used the function .listen (to open a new server localhost – door).**

**That means I will open one new localhost ‘80’ in my browser and will display ‘Hello Word’.**

```

var http = require('http');

var server = http.createServer(function (request, response) {

response.writeHead(200, {"Content-Type": "text/plain"});

response.end("Hello World\n");

});

server.listen(80);

console.log("Server running at http://127.0.0.1:80/");

```

## Exercise 6

In a file `exercise6.js`:

Install the module [axios](https://github.com/axios/axios) and retrieve the html code from `google.com`.

**A:**

const axios = require('axios');

axios.get('https://google.com').then(data => console.log(data));