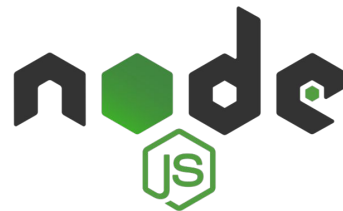


Create your first Node.js server

By Aquib Ajani



npmjs.com

npm - Node Package Manager



What is npm?

npm is the world's largest software library.

Maintained by npm, Inc. npm is the default package manager for the JavaScript runtime environment Node.js.

Open-source developers use npm to share software. Organizations also use npm to manage private development.

npm consists of the following :

- a command line client, also called npm
- an online database of public and paid-for private packages, called the npm registry.



Creating a new Node.js project

Steps to create a new Node.js server

1. Create a new folder for the project
2. Run the `npm init` command in terminal.
3. Initialise the node project
4. Create the `index.js` file
5. Import the http module
6. Create a new server
7. Start your server and test it



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New folder

Creating a new Node.js project

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- ~~1. Create a new folder for the project~~
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```
C:\Users\91822>npm init
```

Don't write
↳ node init
(X)

Creating a new Node.js project

Steps to create a new Node.js server

1. ~~Create a new folder for the project~~
2. ~~Run the npm init command~~
3. **Initialise the node project**
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7. Start your server and test it

```
{  
  "name": "temp",  
  "version": "1.0.0",  
  "description": "",  
  "main": "index.js",  
  "scripts": {  
    "test": "echo \\\"Error: no test specified\\\" && exit 1"  
  },  
  "keywords": [],  
  "author": "",  
  "license": "ISC"  
}
```

Handwritten annotations:

- A blue arrow points from the `"keywords": []` line to a circled question mark `?`.
- A yellow arrow points from the `"author": ""` line to the text `your name`.
- A yellow arrow points from the `"license": "ISC"` line to the text `default`.

Creating a new Node.js project

Steps to create a new Node.js server

1. ~~Create a new folder for the project~~

2. ~~Run the npm init command~~

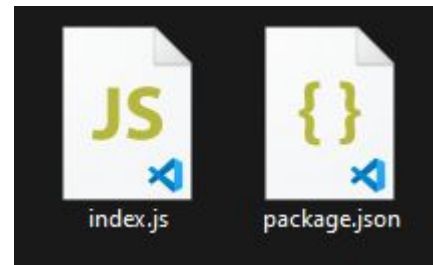
3. ~~Initialise the node project~~

4. *entry point*
Create the `index.js` file *or Server.js - same functions different name*

5. Import the http module

6. Create a new server

7. Start your server and test it



Creating a new Node.js project

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2. ~~Run the npm init command~~
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4. ~~Create the index.js file~~
5. **Import the http module**
6. Create a new server
7. Start your server and test it

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


Creating a new Node.js project

Steps to create a new Node.js server

1. ~~Create a new folder for the project~~
2. ~~Run the npm init command~~
3. ~~Initialise the node project~~
4. ~~Create the index.js file~~
5. ~~Import the http module~~
6. **Create a new server**
7. Start your server and test it

```
const server = http.createServer((req, res) => {  
  if (req.url === '/') {  
    res.write('Hello World!');  
    res.end();  
  }  
  else {  
    res.write("You are not on the home page.");  
    res.end();  
  }  
});
```

Creating a new Node.js project

Steps to create a new Node.js server

1. ~~Create a new folder for the project~~
2. ~~Run the npm init command~~
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4. ~~Create the index.js file~~
5. ~~Import the http module~~
6. ~~Create a new server~~

7. Start your server and test it

```
node index.js
```

```
const http = require('http');
const server = http.createServer((req, res) => {
  if (req.url === '/') {
    res.write('Hello World!');
    res.end();
  }
  else {
    res.write("You are not on the home page.");
    res.end();
  }
});
server.listen('3000');
```

Creating a new Node.js project

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and done!

