## Getting Started with Node.js

Hello there. You came here be entirely written in JavaScript.

Anyhow, I welcome you to this Guided Project

### What you will achieve

- Use Node, is and NPM to create an application that prints "Hello World".
   Run the application through the Skills Network extension.
   Add some style to your application.

#### What You Will Need

#### **Additional Notes**

#### The Set Up

Copied! Executed!

This command will initialize your project, prompting you to input some metadata about your p NOTE: Once you've finished, package.json should be created.

```
theia@theia-lavanyas:/home/project$ npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.
 See `npm help init` for definitive documentation on these fields and exactly what they do.
 Use `npm install <code><pkg></code>` afterwards to install a package and save it as a dependency in the package.json file.
Press °C at any time to quit.
package name: (project) awesomeapp
version: (1.0.0)
description: My first Node js app
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (MIT)
About to write to /home/project/package.json:
       "name": "awesomeapp",
"version": "1.0.0",
"description": "My first Node js app",
"main": "index.js",
"scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
      },
"author": "",
"license": "MIT"
```

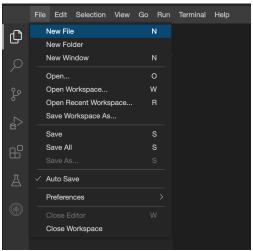
3. Let's install Express using npm. Run

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Express is a good example of a package that wouldn't be possible without Node is allowing JavaScript to run on a server. Express pr

This should have created package-lock. Json and node\_modules directory. Now, we can now use Express in our applica

## Let's write some JavaScript!



2. Choose a name for the file. In our case, we will name it index. 3s to match the "Entry Point" In our package.json.

```
1. const express = require('express')
2. const app = express()
3. const port = 3000

    app.get('/', (req, res) => {
    res.send('Hello World!')

9. app.listen(port, () => {
10. console.log('Your app is live at ${port}')
11. ))
```

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4. Let's understand what we've written.

```
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 theia@theia-lavanyas:/home/project$ node index.js
Your app is live at 3000
            > DATABASES
   > BIG DATA
                                                                      Launch Your Application
            > CLOUD
           > OTHER
                                                                         ① To open any application in the browser, please select or enter the port number below.
            3000 × 🔺
                                                                       Your Application
                                                                                                        Open in new browser tab
  (4)
Add Some Style!
  1. Create a new folder (F11e > New Folder) and name it views. Inside, create a new file and name it holloword. html. It's good practice to create folders for different purposes. It is general convention to name the folder views and store all html files
  2. Let's copy the following HTML code to helloworld.html.
 23. 23

1. <IDOCTYPE htmls
2. cheads
3. ctitleHTML and CSS "Hello World"c/
4. cstyles
5. body {
6. background-color: #2dc@ff;
6. }
Copied!
After the cheads tag, there is a choosys tag and this is where you define the page itself. You will see various tags like chis, cps, clis and these each have there own purpose to them.
  3. Now let's change index. is such that it will render the HTML.
a. We are going to import path library. Add the following to the top of the code. Path makes it really easy to interact and access different files in the project
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c. Start the app again and see the changes. It should look something similar to this:
```

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# **Hello World!**

This is a very basic "Hello World" example made up in HTML and CSS. See if you can change the size of the header text above.

d. Now, add your own style and features to this web app! (Optional)

## Conclusion

Great job. You did it You officially know how to build a Node js app. We learned what Node js is and how to use NPM to import useful packages and libraries. We ran our app using Express and finally, we also added some style to the app by rendering an html file instead of plain text.

I hope you epjoyed as much as I did creating this project.

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