

How to create API's

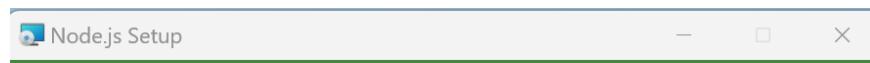
Pre-requisites:

- NodeJS
- npm (comes with nodeJS)
- Json-server

1) Install NodeJS

Download link: <https://nodejs.org/en/download/>

The screenshot shows the official Node.js download page. At the top, there's a navigation bar with links for Package Manager, Prebuilt Installer (which is highlighted with a yellow box), Prebuilt Binaries, and Source Code. Below the navigation, there are dropdown menus for selecting the version (v22.12.0 (LTS)), platform (Windows), and architecture (x64). A large green button labeled "Download Node.js v22.12.0" is prominently displayed. To the right of the button, there's a small icon of a computer monitor with a CD-ROM. Below the button, there are several links: "Node.js includes npm (10.9.0)", "Read the changelog", "Read the blog post", "Learn how to verify signed SHASUMS", "Check out all available Node.js download options", and "Learn about Node.js Releases".

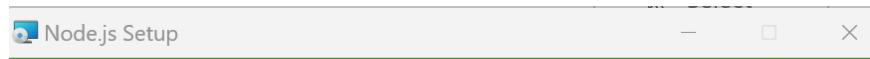


Welcome to the Node.js Setup Wizard



The Setup Wizard will install Node.js on your computer.

Back **Next** Cancel



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Please read the following license agreement carefully



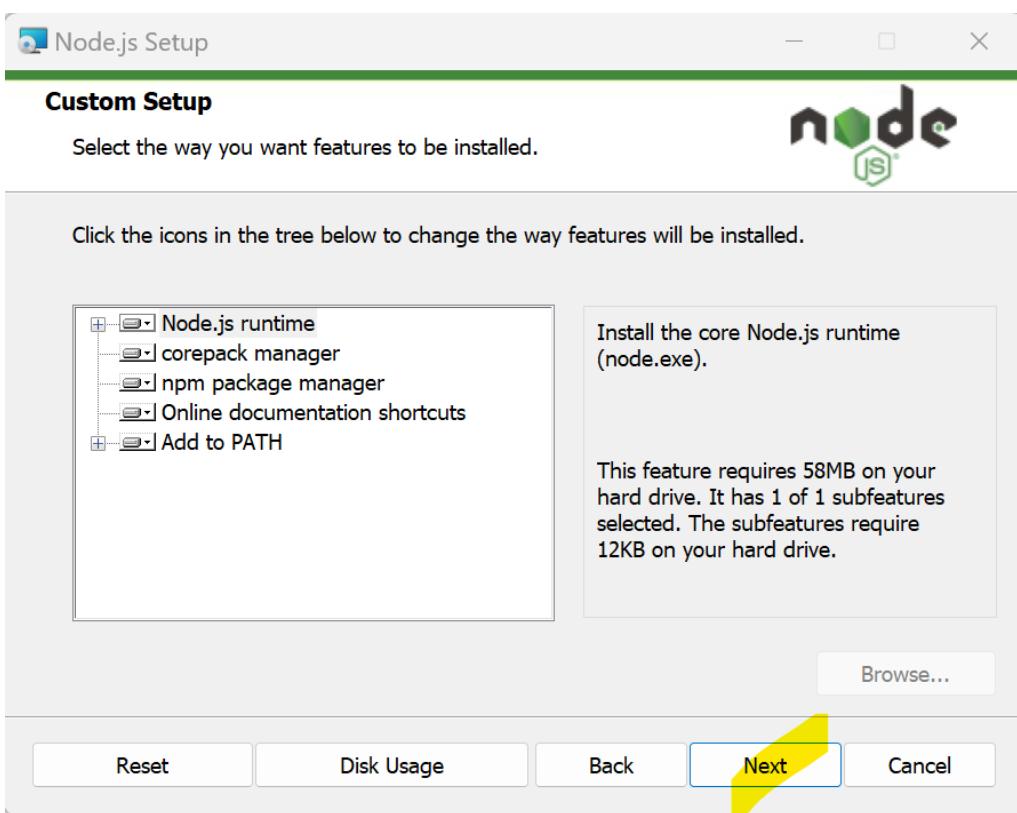
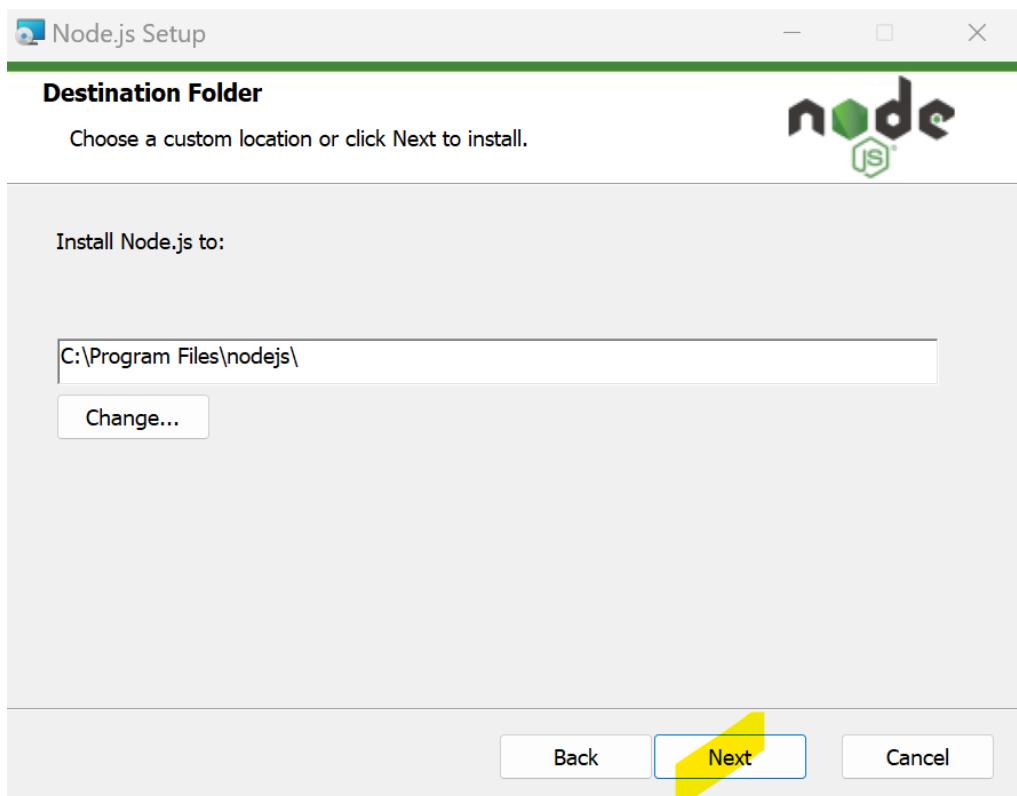
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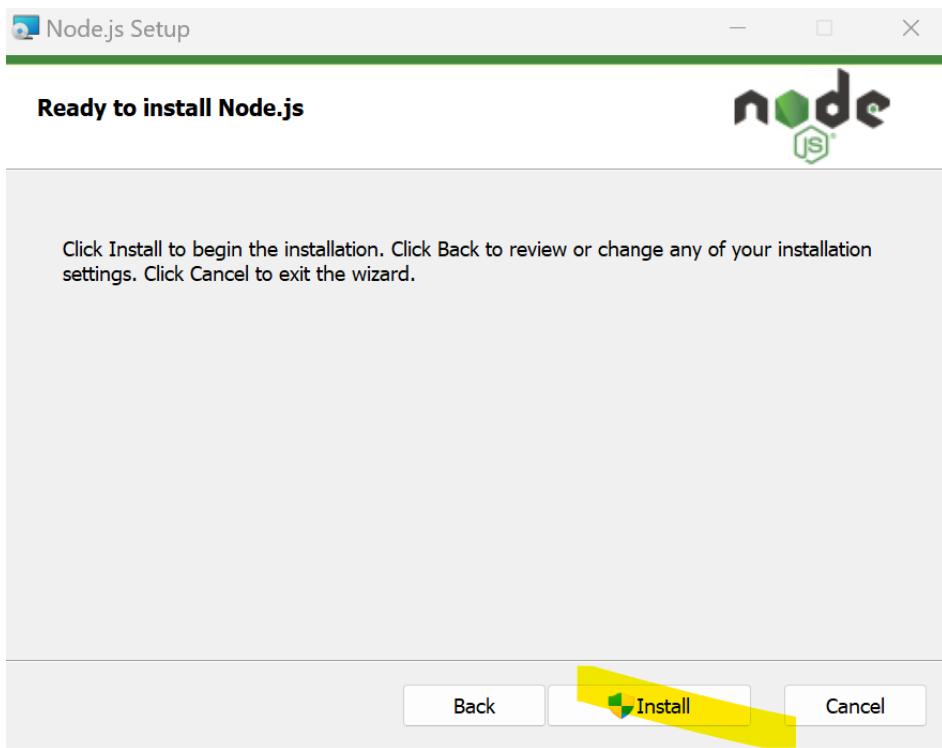
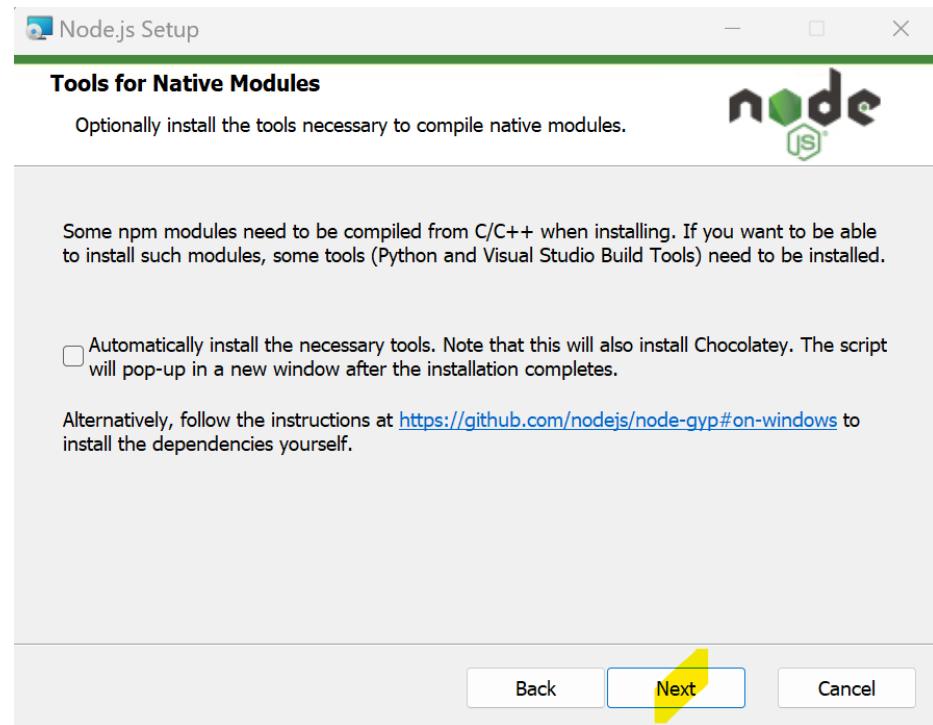
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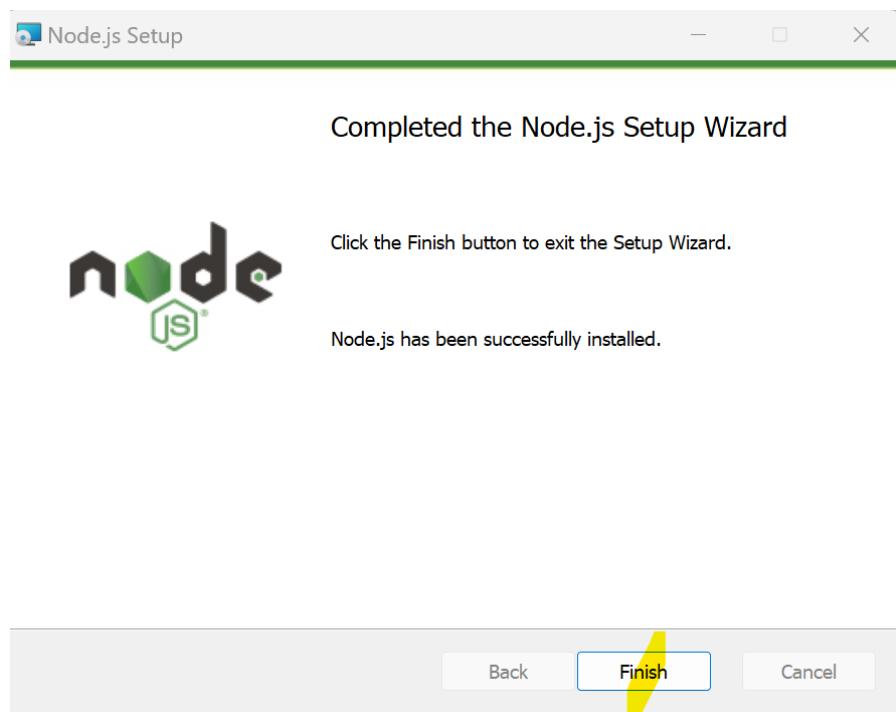
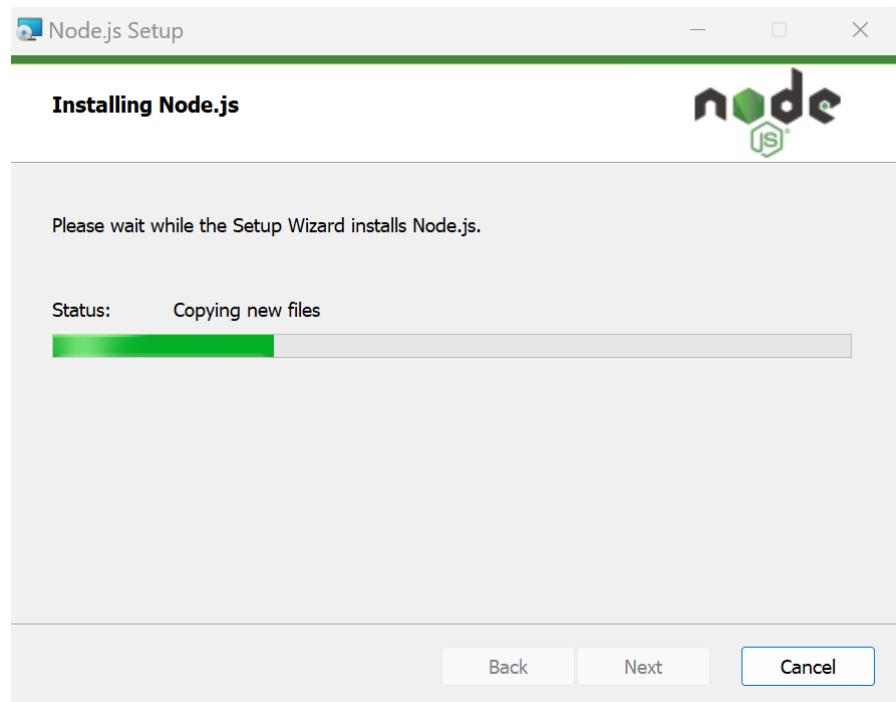
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I accept the terms in the License Agreement

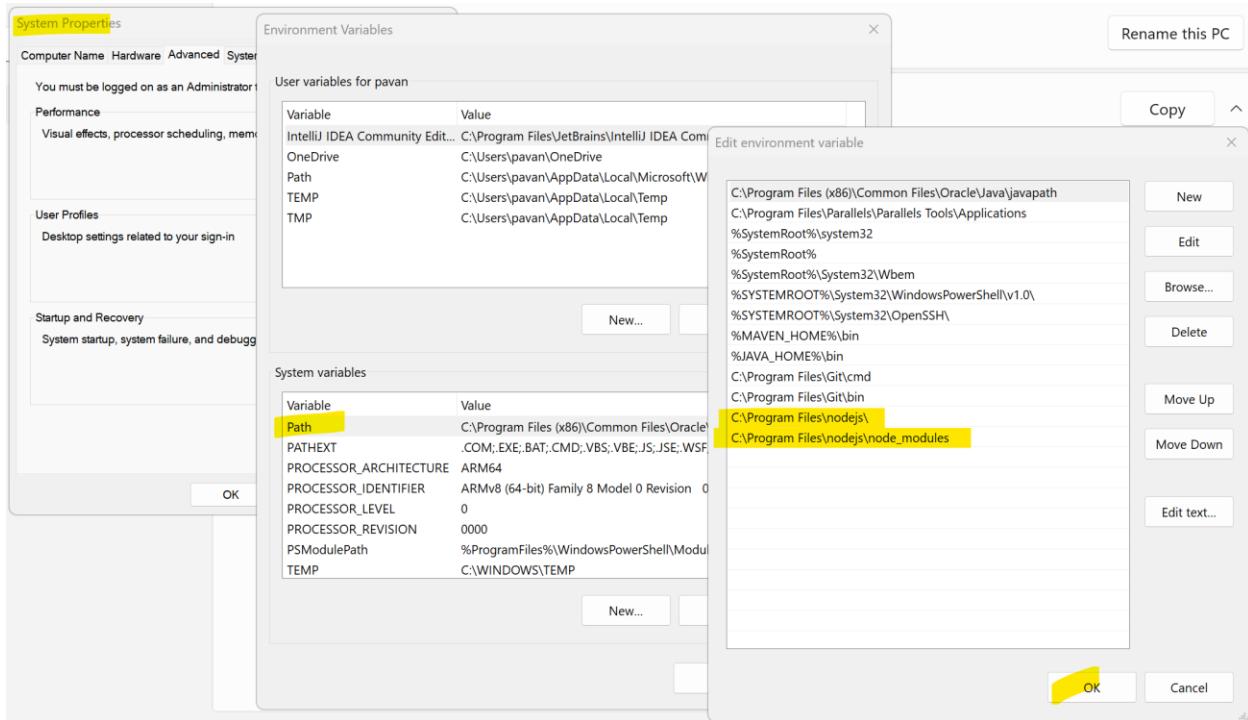
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Set Environment variable:



2) Check node & npm versions (npm comes along with node.js)

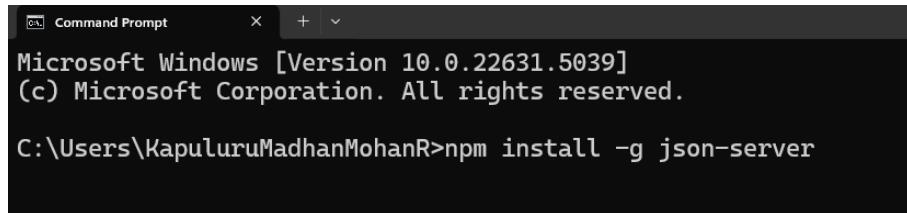
```
Microsoft Windows [Version 10.0.22631.5039]
(c) Microsoft Corporation. All rights reserved.

C:\Users\KapuluruMadhanMohanR>node --version
v22.12.0

C:\Users\KapuluruMadhanMohanR>npm --version
10.9.0
```

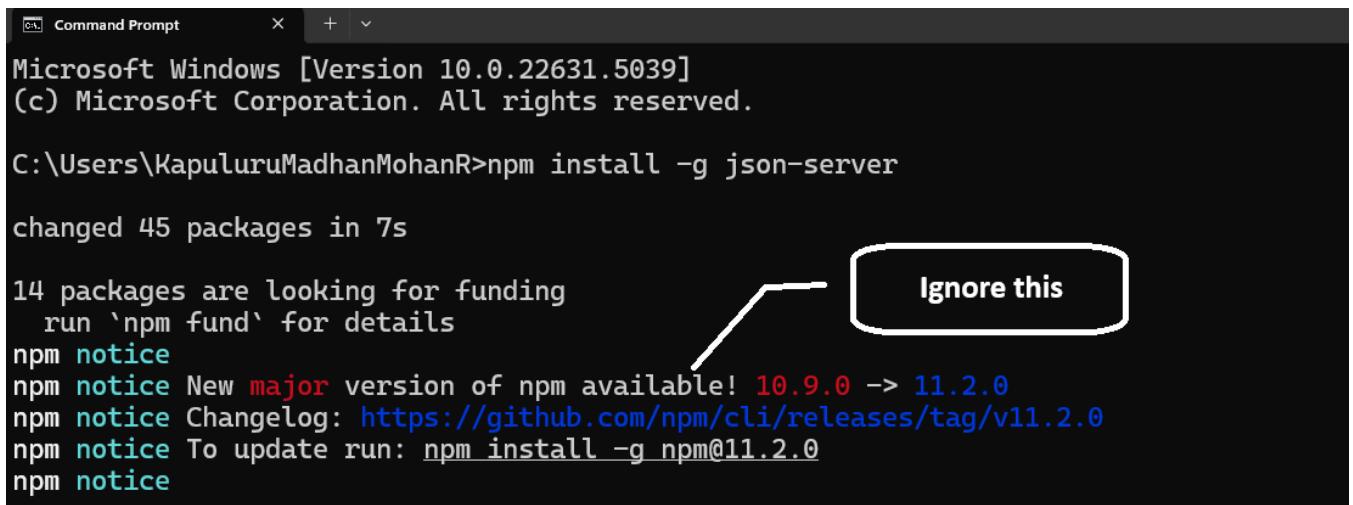
3) install json-server

```
npm install -g json-server
```



```
Command Prompt
Microsoft Windows [Version 10.0.22631.5039]
(c) Microsoft Corporation. All rights reserved.

C:\Users\KapuluruMadhanMohanR>npm install -g json-server
```



```
Command Prompt
Microsoft Windows [Version 10.0.22631.5039]
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C:\Users\KapuluruMadhanMohanR>npm install -g json-server

changed 45 packages in 7s

14 packages are looking for funding
  run 'npm fund' for details
npm notice
npm notice New major version of npm available! 10.9.0 => 11.2.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.2.0
npm notice To update run: npm install -g npm@11.2.0
npm notice
```

Ignore this

4) create students.json file with the following data

```
{
  "students": [
    {
      "id": 1,
      "name": "John",
      "location": "india",
      "phone": "1234567890",
      "courses": [
        "Java",
```

```
        "Selenium"
    ]
},
{
  "id": 2,
  "name": "Kim",
  "location": "US",
  "phone": "98876543213",
  "courses": [
    "Python",
    "Appium"
  ],
},
{
  "id": 3,
  "name": "Smith",
  "location": "Canada",
  "phone": "165498765",
  "courses": [
    "C#",
    "RestAPI"
  ]
}
]
```

5) Run the below command to make your API's up and running.

```
json-server --watch students.json
```

```
C:\Windows\system32\cmd.exe + - Microsoft Windows [Version 10.0.22631.4602]
(c) Microsoft Corporation. All rights reserved.

C:\Automation\automationFiles\jsonfiles>json-server --watch students.json
--watch/-w can be omitted, JSON Server 1+ watches for file changes by default
JSON Server started on PORT :3000
Press CTRL-C to stop
Watching students.json...

(^_~ ^_~)

Index:
http://localhost:3000/

Static files:
Serving ./public directory if it exists

Endpoints:
http://localhost:3000/students
```

<http://localhost:3000/students>