

How to create API's

Pre-requisites:

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

1) Install NodeJS

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

Download Node.js®

Download Node.js the way you want.

[Package Manager](#) **[Prebuilt Installer](#)** [Prebuilt Binaries](#) [Source Code](#)

I want the **v22.12.0 (LTS)** version of Node.js for **Windows** running **x64**

[Download Node.js v22.12.0](#)

Node.js includes [npm \(10.9.0\)](#).

[Read the changelog](#) for this version.

[Read the blog post](#) for this version.

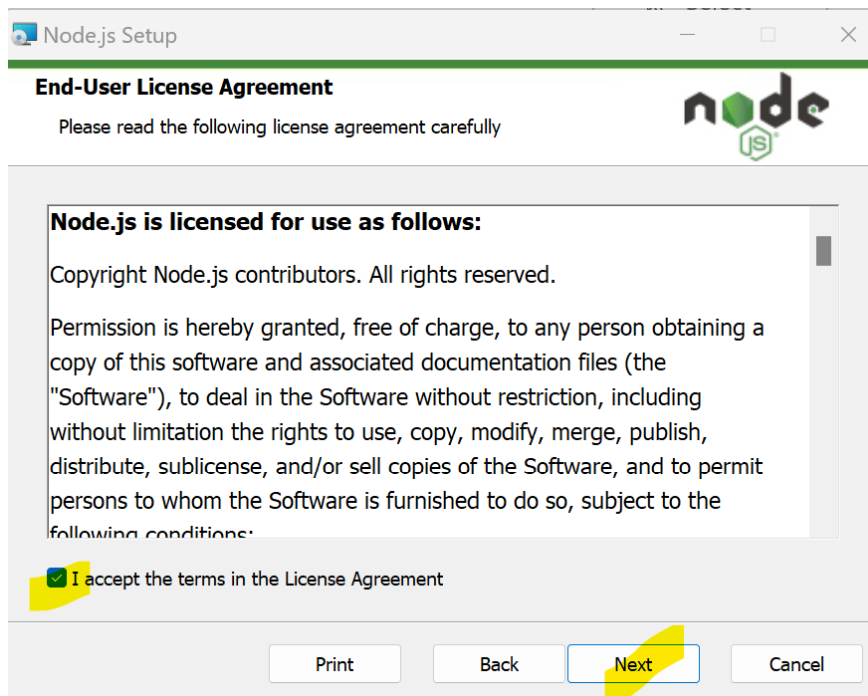
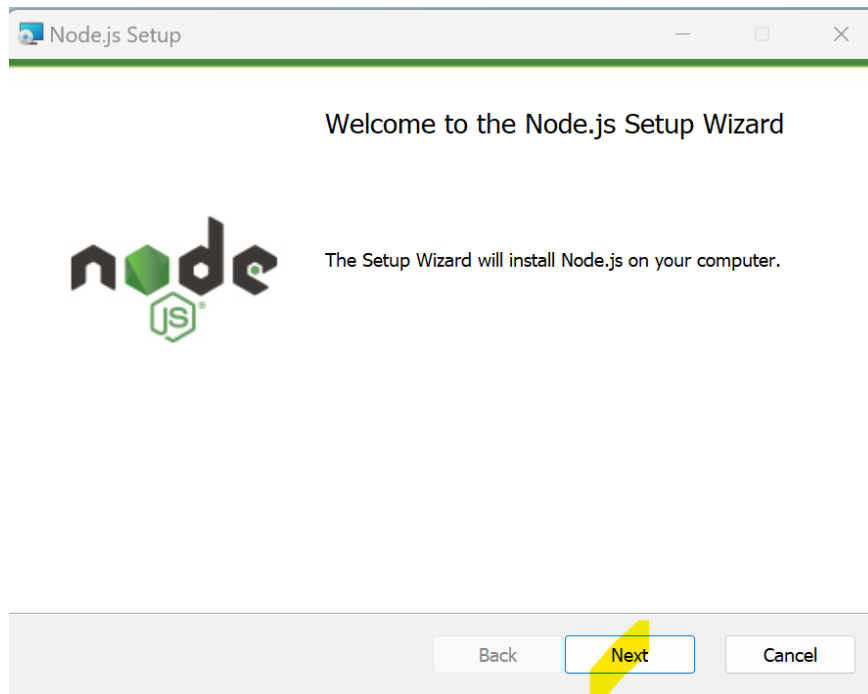
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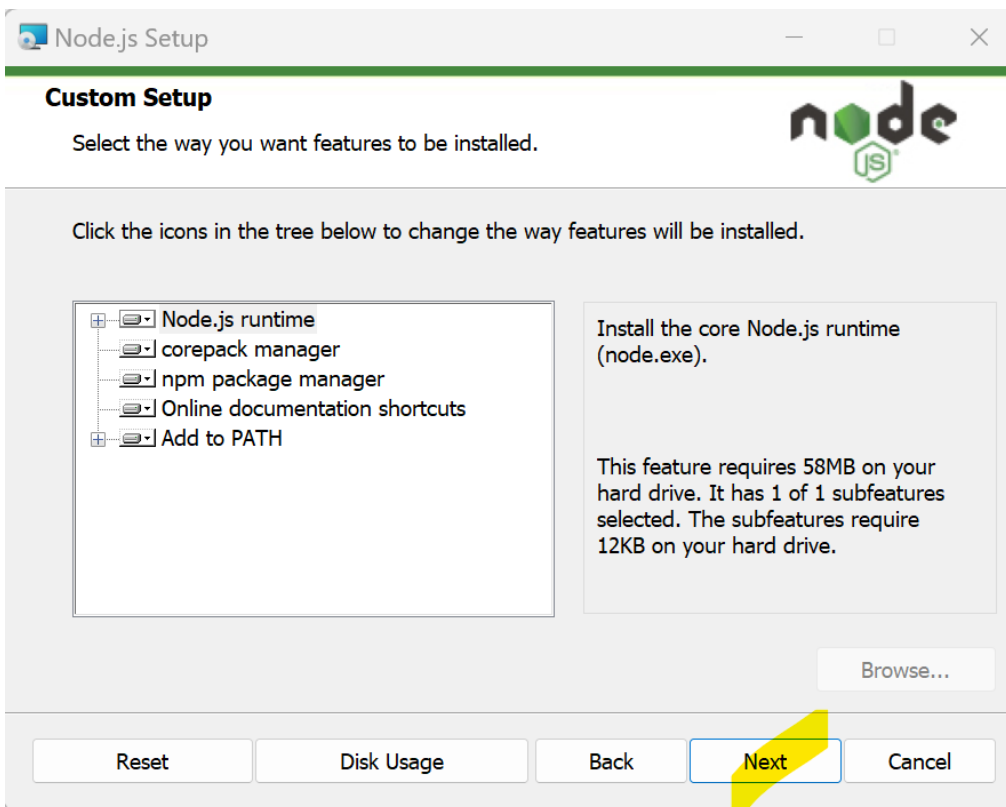
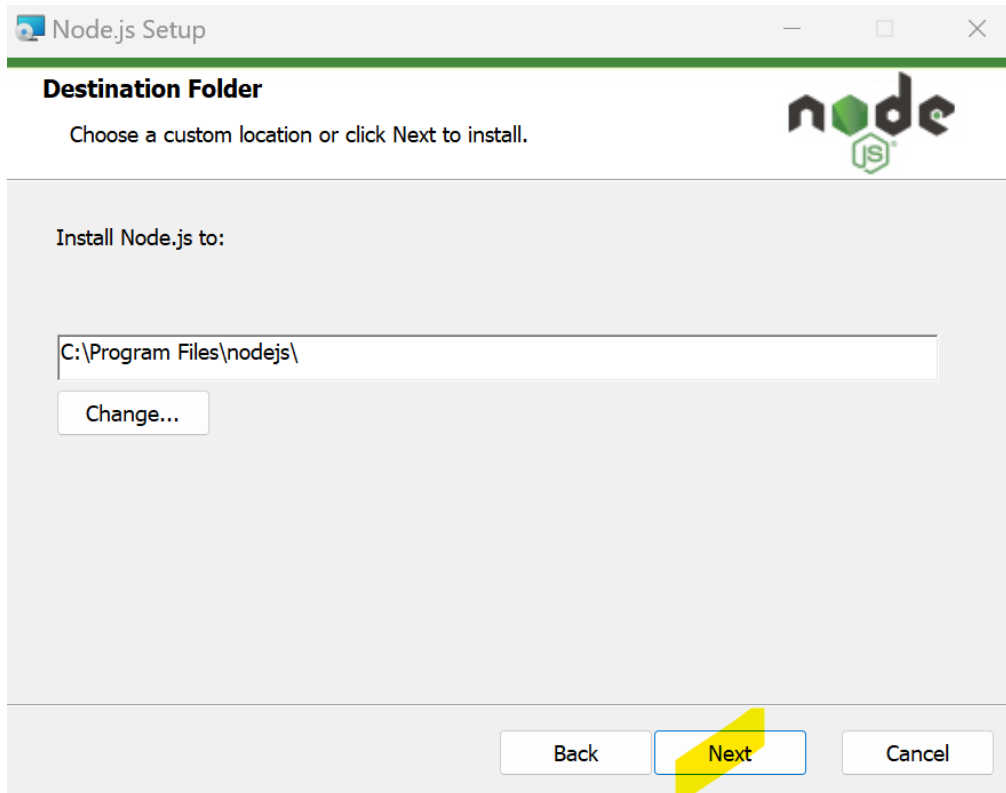
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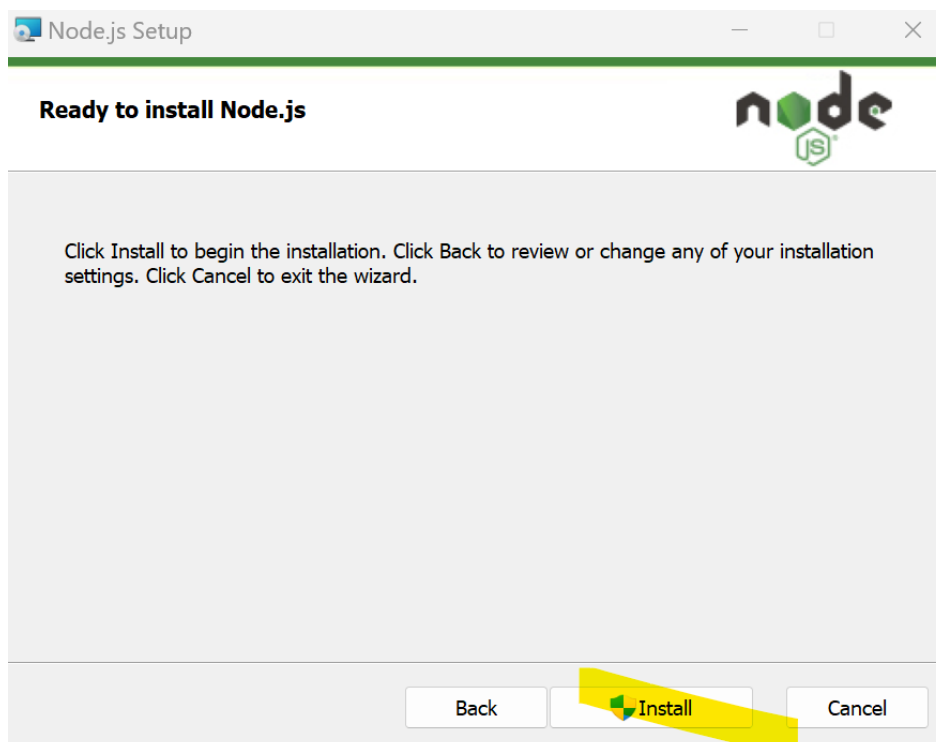
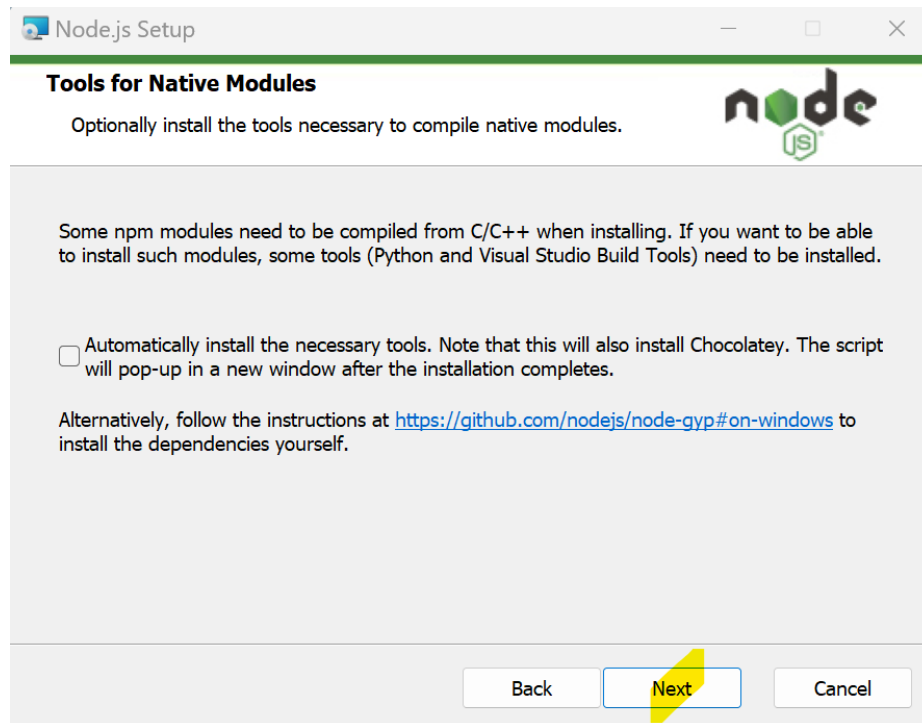
[Learn about Node.js Releases](#)

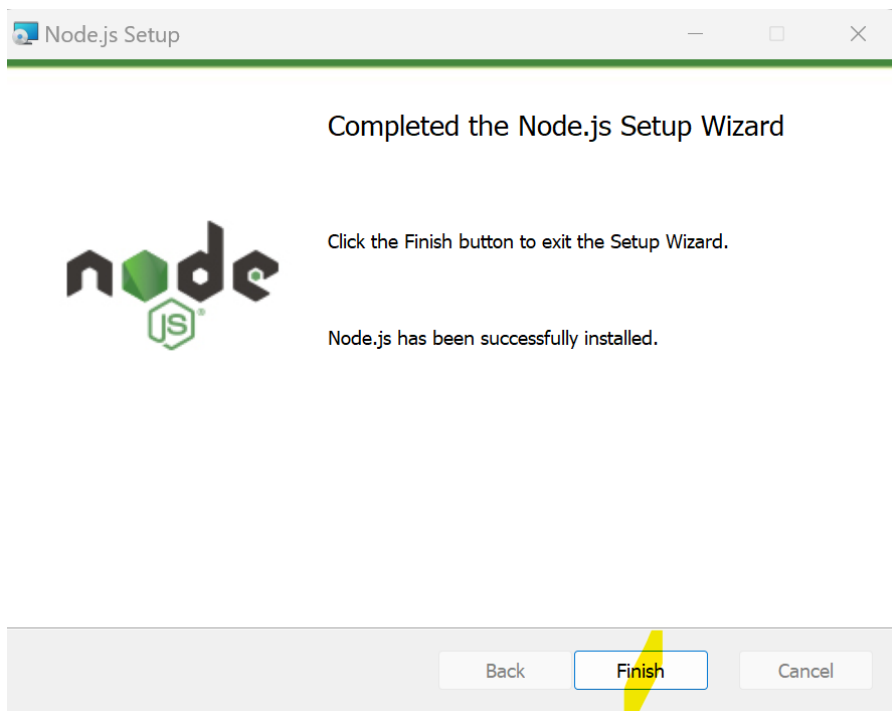
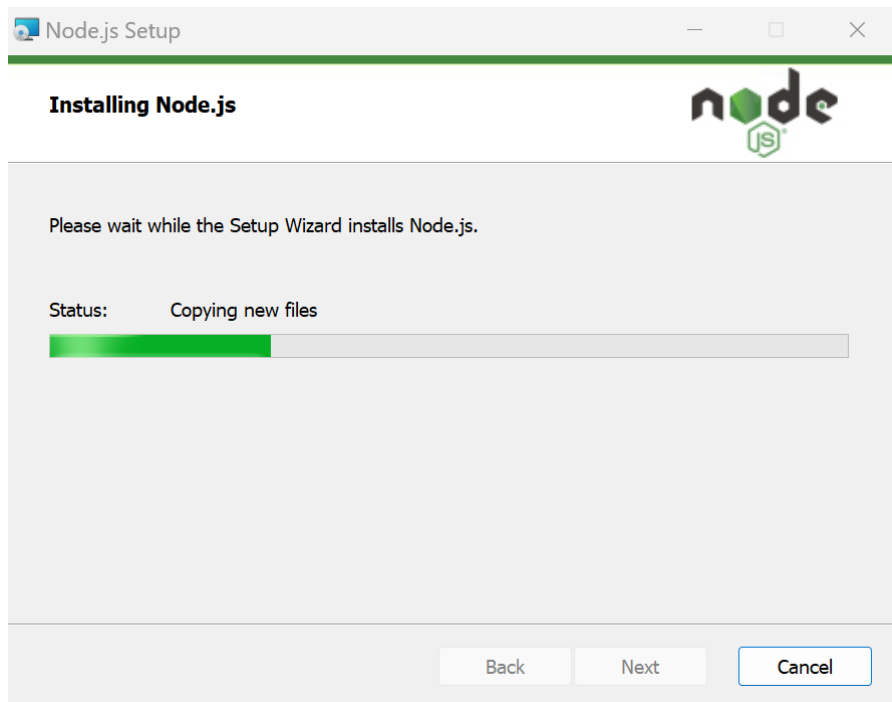


node-v22.12.0-x64.msi

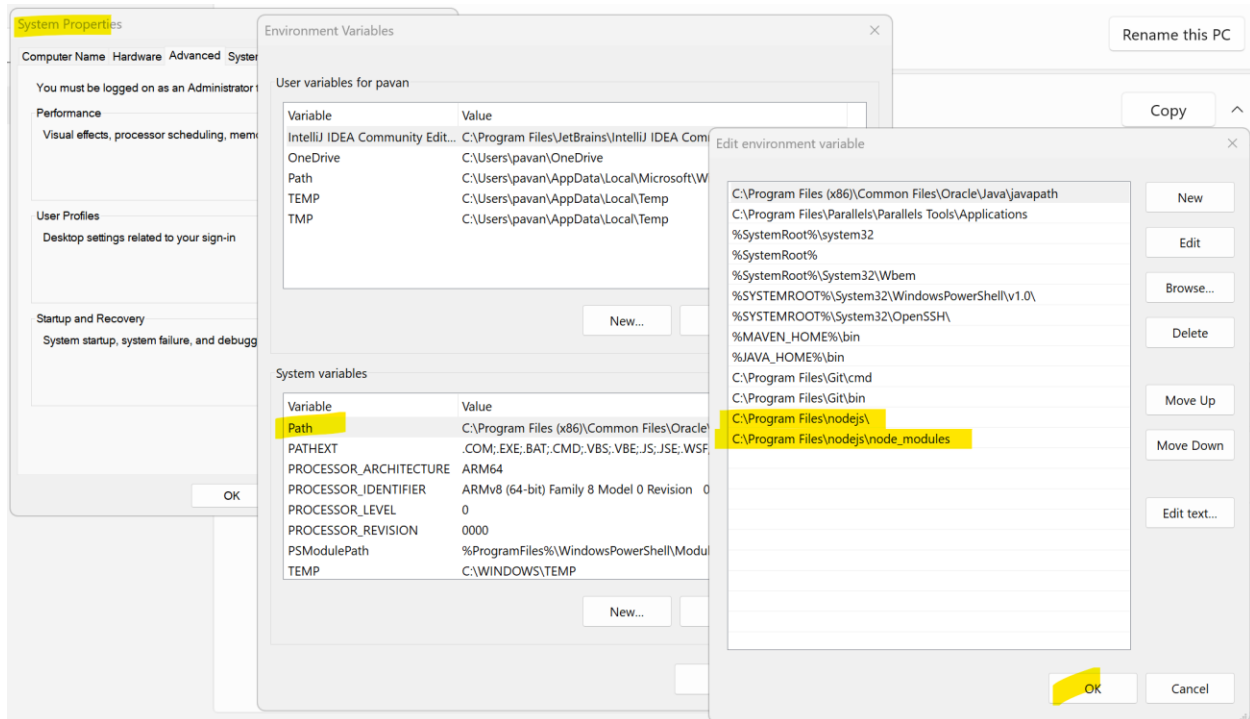








Set Environment variable:



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]
(c) Microsoft Corporation. All rights reserved.

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>