

How to use A BASIC API

BEGINNER

< Tools to install >

1. node.js
11. Editor tool (vs code)

→ Node.js : allows you to run js in computer *

→ js will run in browser (chrome)

→ Because of Node.js we can run js in server / backend

< Need for Node.js >

Using js to create a server (with Express.js)

axios to talk to an API

< Libraries >

1. express
11. axios
111. dotenv



Tool called npm

↳ node package manager
↳ to download and
manage packages
(play store)

STEP 1: install node.js

in cmd :	node -v	v22.14.0
	npm -v	10.9.2

STEP II : create a project folder

in cmd : `cd desktop`

```
mkdir my_api-project # folder name
```

```
cd my_api_project # enter into
```

```
npm init -y
```

↳ creates a file called

package.json

↳ keeps track of

to install necessary libraries

```
npm install express axios dotenv
```

express : build web server

axios : call external API

dotenv: hide secret key in .env

API project using free weather API

→ API : it is like a password that identifies you when asking an API for data.

STEP I : use openweathermap

create an account and copy your key

STEP II : open your folder my-api-project

create a .env file

WEATHER_API_KEY = _____

STEP III : create a file called index.js

add your js code here

STEP IV : cd path of folder

node index.js

to run file

QVI : server running

STEP V : Open browser and visit the link

`http://localhost:3000/weather?city`