

## CREATING A SERVER USING EXPRESS.JS

```
PS G:\NODE PRACTICE> npm init -y
```

used import node

```
PS G:\NODE PRACTICE> npm i express nodemon
```

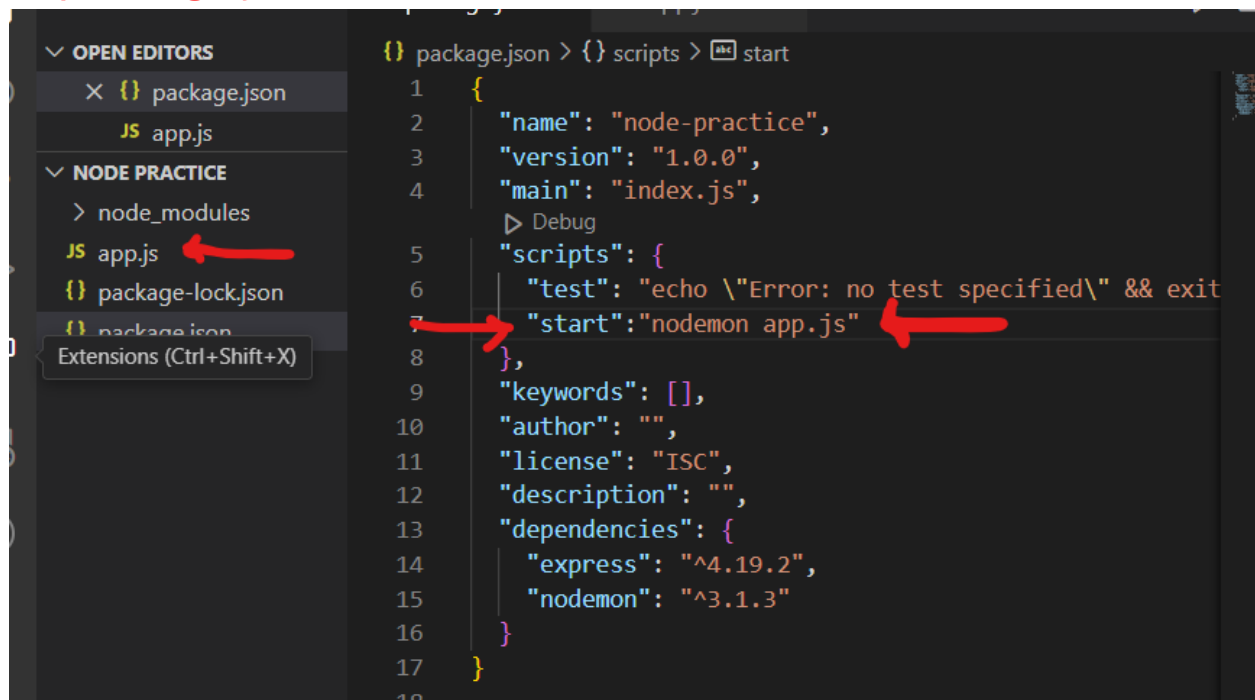
used import express & nodemon

Above 2 must be installed we are going through backend

---

To start server when we write `npm start` we have to do →

In package.json file



```
{
  "name": "node-practice",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1",
    "start": "nodemon app.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": "",
  "dependencies": {
    "express": "^4.19.2",
    "nodemon": "^3.1.3"
  }
}
```

The screenshot shows the VS Code interface with the 'package.json' file open. The 'scripts' section contains a 'start' script set to 'nodemon app.js'. A red arrow points to this line. Another red arrow points to the 'nodemon' dependency in the 'dependencies' section.

## Step by step creation of server using express

```
//step-1
const express = require("express");

//step-2 -> assigning above express to app
const app = express();

//step-3 --> assign port number to server
const port = 5000;

//step-4 --> to start server
//listen contains 2 parameters
//one we have to write port
// arrow function
app.listen(port, () => {
  console.log("Server started and running Successfully");
});
```

to start server npm start

```
PS G:\NODE PRACTICE> npm start

> node-practice@1.0.0 start
> nodemon app.js

[nodemon] 3.1.3
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting node app.js
Server started and running Successfully
```

By using this server we can show response also(like output)→

By providing router→After clicking that routing then we will get response

\*\* router will take 2 arguments

1) name of route

2) call back function -→ this will also take 2 arguments

1)request 2)response

\*\* to show out put -→ res.send()

```
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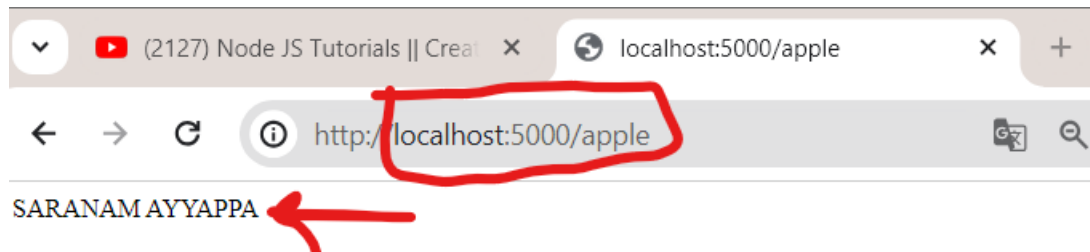
//step-5 creation of router
app.get("/apple", (req, res) => {
  res.send("SARANAM AYYAPPA");
});

//step-4 --> to start server
//listen contains 2 parameters
//one we have to write port
// arrow function
app.listen(port, () => {
  console.log("Server started and running Successfully");
});
```

TO SEE OUT PUT

GO TO BROWSER → localhost:portnumber/nameofroute

Ex : localhost:5000/apple



Routing → is used to show response from the server