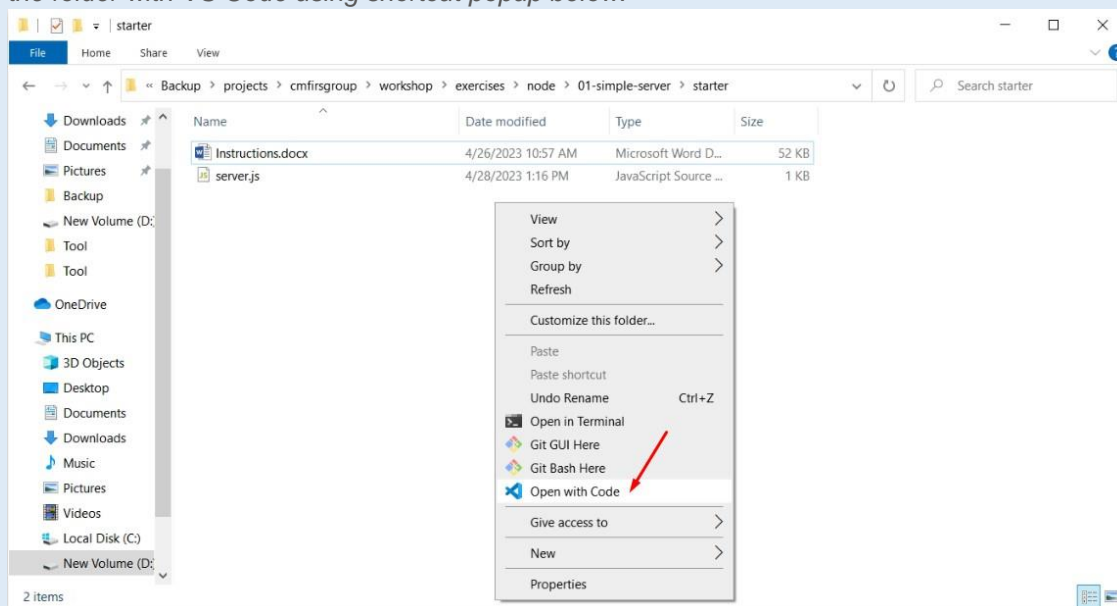# Node Exercise – 01

A Simple Node Server

1. Exercise description

> ℹ️ *After this exercise, you can create a simple node server that*
>
> - *provides 3 routes(home, /student, /admin) hosted on localhost:5001*
> - *returns the page description like 'This is home Page. ', 'This is student page'*

2. Open the *starter* folder with VS Code

> ℹ️ *Navigate to the folder - C:\Conference 2023 Workshops\node\01-simple-server\starter and open the folder with VS Code using shortcut popup below.*

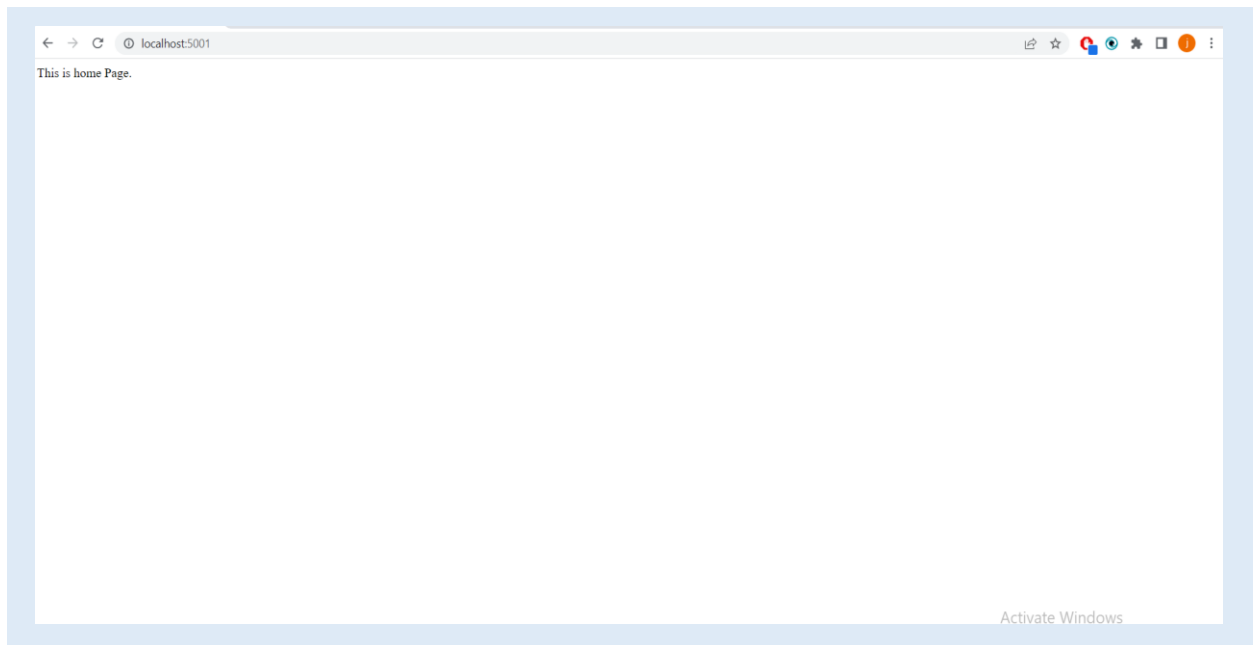*Now you can see the VS Code as below.*

This is a starter project for a simple node server. This is hosted on localhost:5001 and has just a home page that returns 'This is home Page.'

3. Run the starter project

You can run the starter project by opening the terminal by using the menu option – Terminal/New Terminal or by pressing Ctrl+Shift+`

After you opened terminal, you need to run this command node server.js *and you can see the server running by visiting the link* localhost:5001 *in the browser.*

This is home Page.

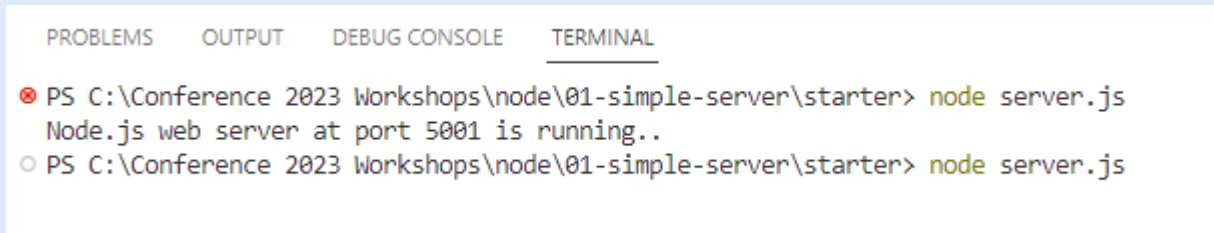Activate Windows

4. Add additional pages(student and admin)

ℹ️ *Add the additional pages by inserting the following snippets at line number 14. These are the snippets that add new pages returning the page description on the server.*

```javascript
else if (req.url == "/student") {
    res.writeHead(200, { 'Content-Type': 'text/html' });
    res.write('<html><body><p>This is student Page.</p></body></html>');
    res.end();

}
else if (req.url == "/admin") {
    res.writeHead(200, { 'Content-Type': 'text/html' });
    res.write('<html><body><p>This is admin Page.</p></body></html>');
    res.end();

}
```

5. Run and test the server

In the VS Code Terminal. Stop the current server process by pressing Ctrl+C.
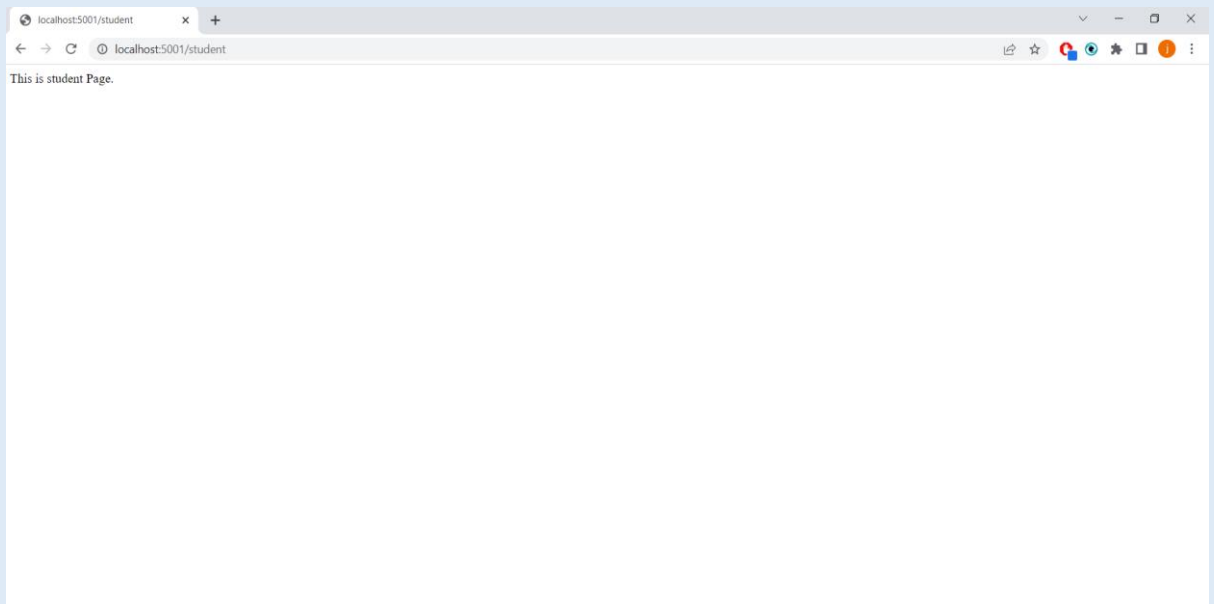
Press the up arrow to retrieve the previous command (node server.js) and press enter.

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

⊗ PS C:\Conference 2023 Workshops\node\01-simple-server\starter> node server.js
  Node.js web server at port 5001 is running..
○ PS C:\Conference 2023 Workshops\node\01-simple-server\starter> node server.js
```

Open the browser and visit localhost:5001 and you will be able to see these added pages.

localhost:5001/student

This is student Page.

Note: You can skip to the completed project under /completed folder if you want.