

Lesson 01 Demo 01

Create the First Angular App

Objective: To create an Angular application

Tools required: Ubuntu, Visual Studio, and Node.js

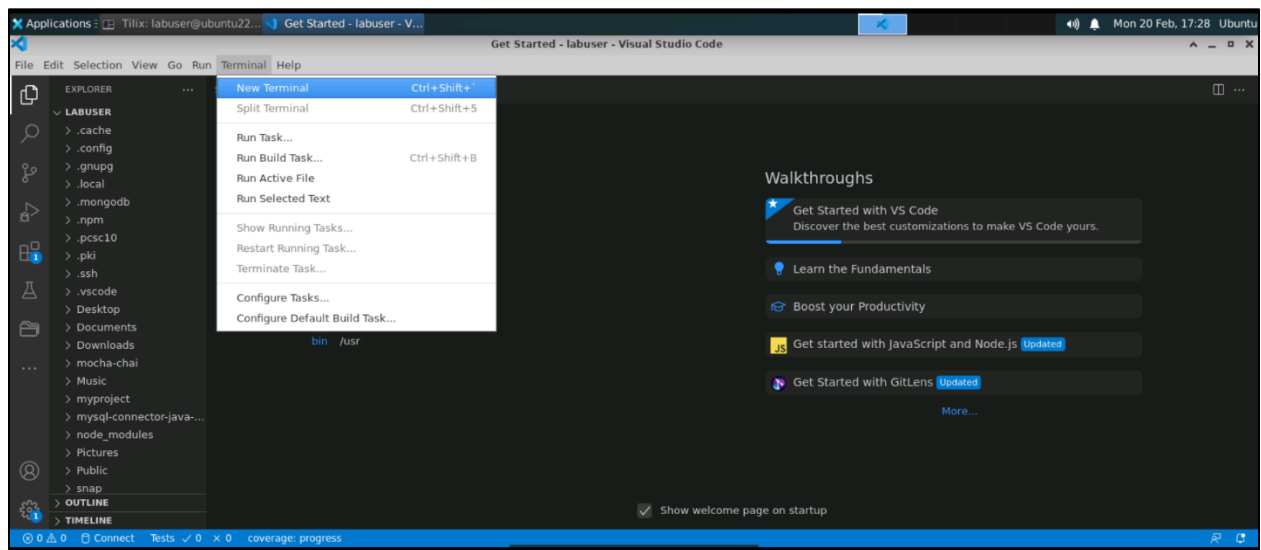
Prerequisites: Knowledge of JavaScript, Typescript, and Node.js

Steps to be followed:

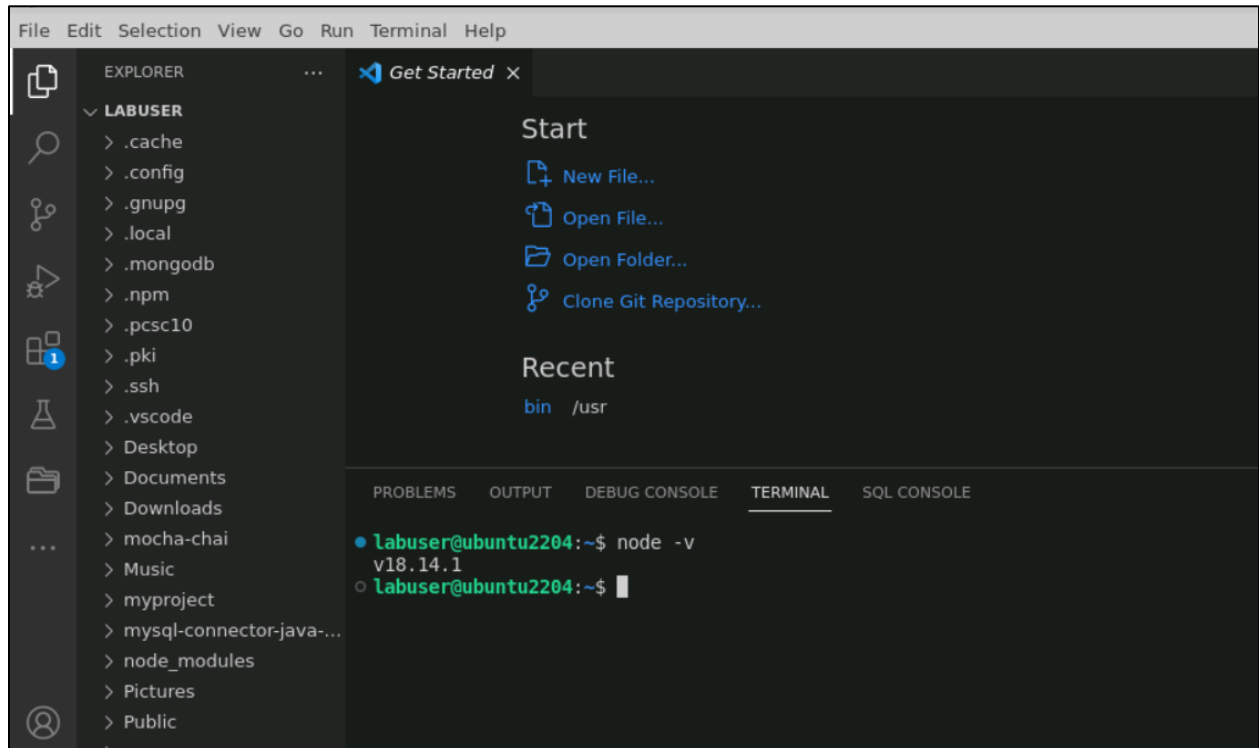
1. Creating an Angular project

Step 1: Creating an Angular project

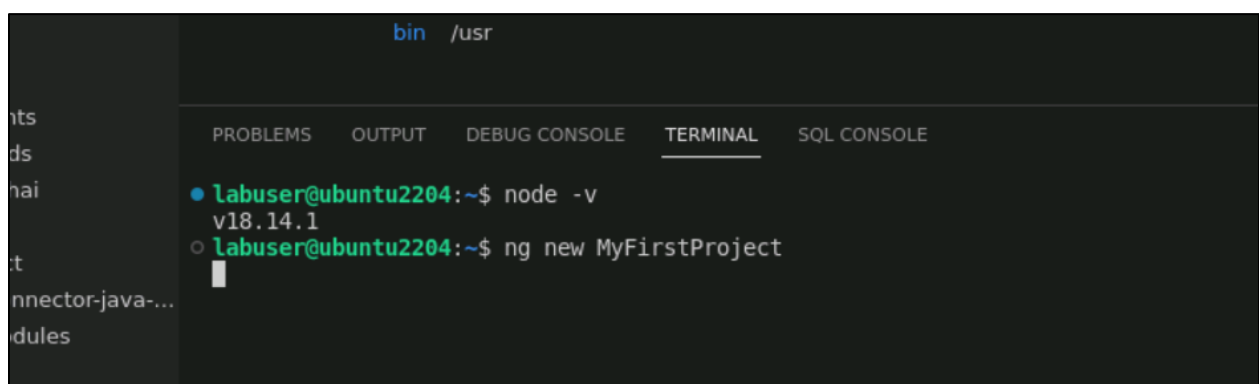
1.1 Open Visual Studio and open the **New Terminal** option

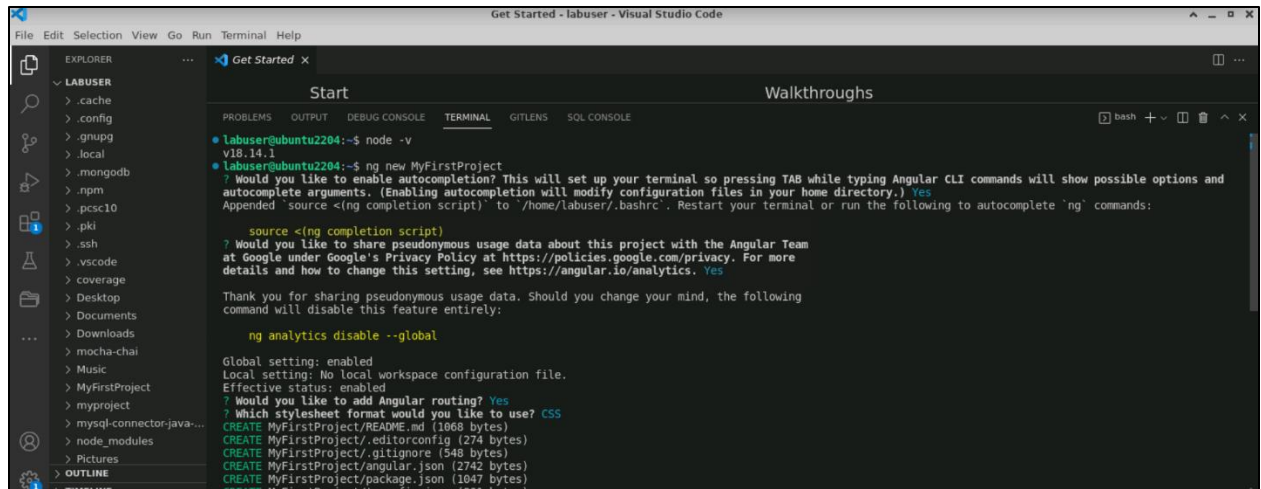


1.2 Check the version of the node by entering **node -v** in the terminal



1.3 Create a new project using the command **ng new MyFirstProject**





```

labuser@ubuntu2204:~$ node -v
v18.14.1
labuser@ubuntu2204:~$ ng new MyFirstProject
? Would you like to enable autocompletion? This will set up your terminal so pressing TAB while typing Angular CLI commands will show possible options and
autocomplete arguments. (Enabling autocompletion will modify configuration files in your home directory.) Yes
Appended 'source <(ng completion script)>' to '/home/labuser/.bashrc'. Restart your terminal or run the following to autocomplete 'ng' commands:

  source <(ng completion script)

? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes
Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

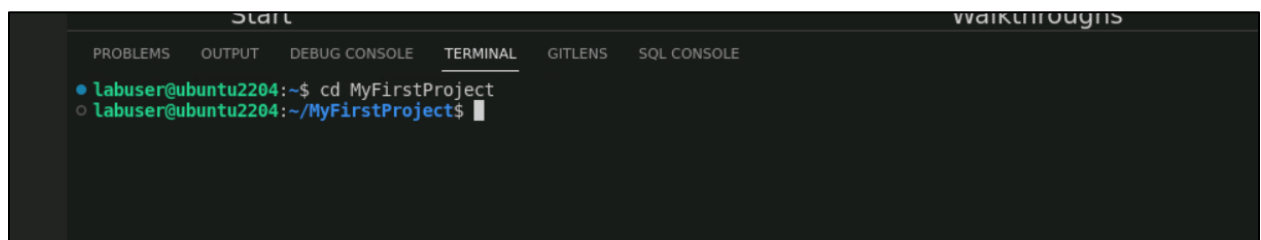
  ng analytics disable --global

Global setting: enabled
Local setting: No local workspace configuration file.
Effective status: enabled
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? CSS
CREATE MyFirstProject/README.md (1068 bytes)
CREATE MyFirstProject/.editorconfig (274 bytes)
CREATE MyFirstProject/.gitignore (548 bytes)
CREATE MyFirstProject/angular.json (2742 bytes)
CREATE MyFirstProject/package.json (1047 bytes)

```

Note: Enter **y** or **yes** whenever a yes or no question is prompted in the terminal

1.4 Open the created project folder by going to **File**, open **folder**, and select **MyFirstProject** or use the **cd MyFirstProject** command

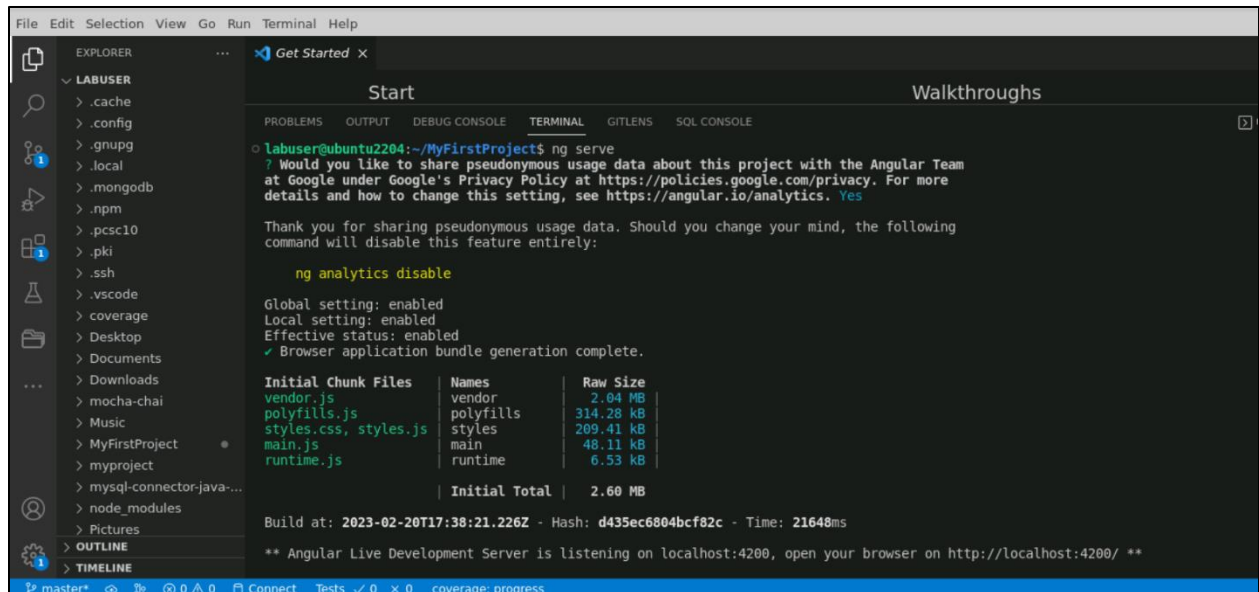


```

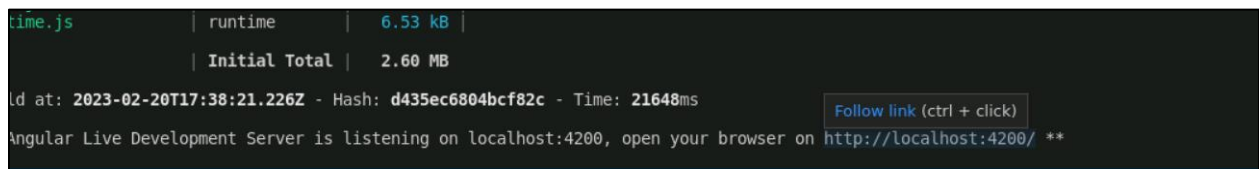
labuser@ubuntu2204:~$ cd MyFirstProject
labuser@ubuntu2204:~/MyFirstProject$

```

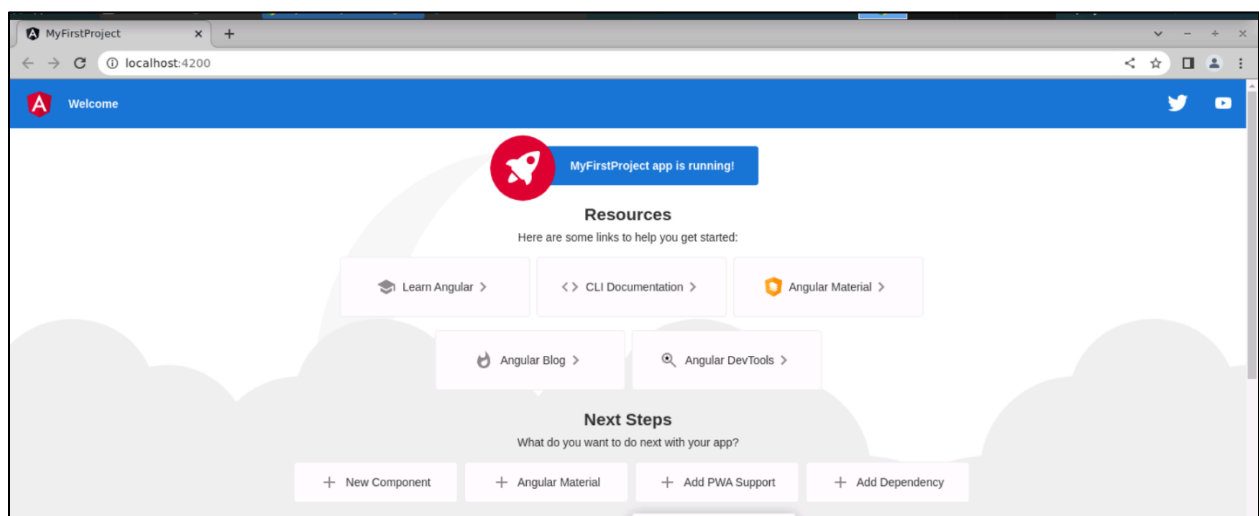
1.5 Run the **ng serve** command in the terminal to test the Angular application



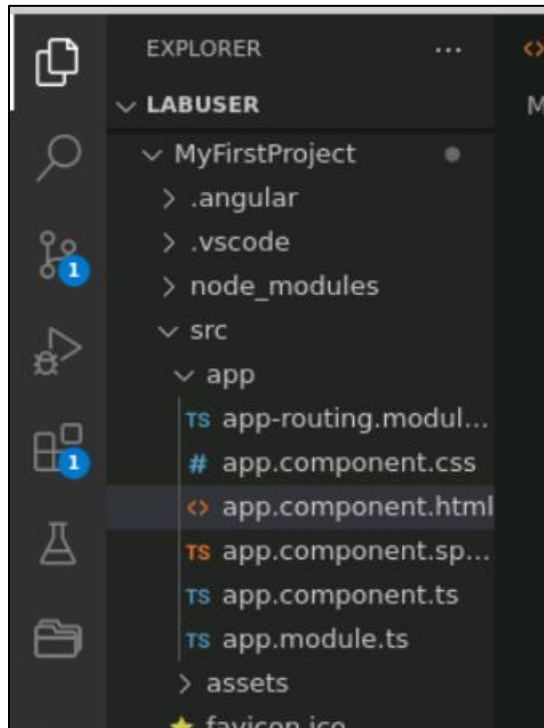
1.6 Open the localhost address by entering (ctrl+click) or copying the localhost address and pasting it into the browser



1.7 The result of the Angular application is displayed below:



1.8 Now go to the folder of the project -> src -> app -> **app.component.html** file

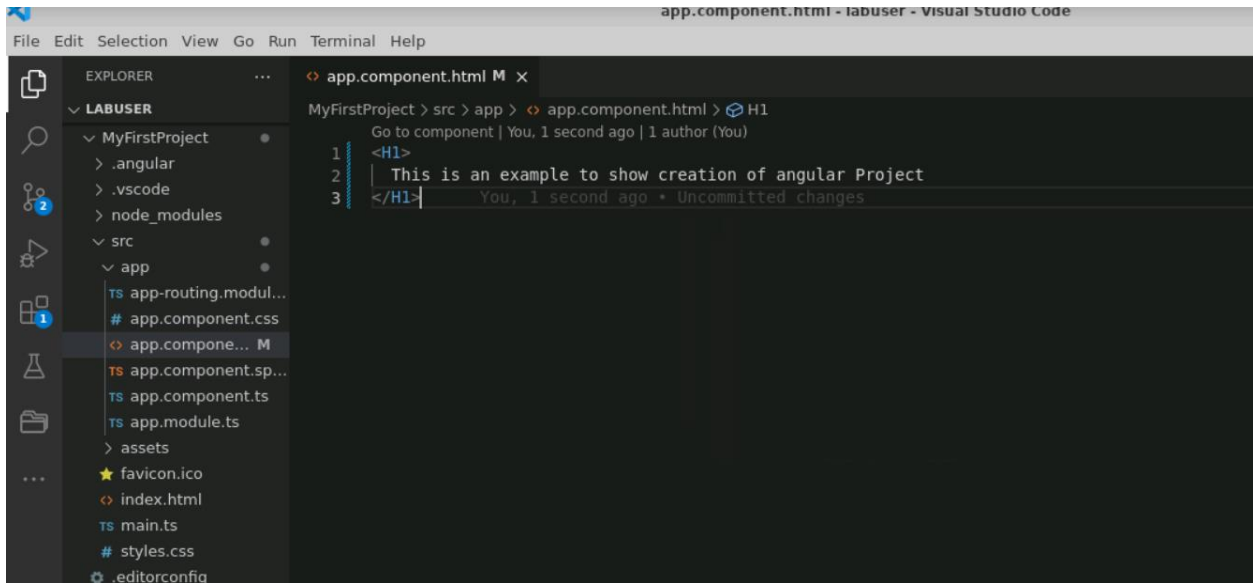


1.9 Replace the existing code from the file with the code given below and save it:

<H1>

This is an example to show creation of Angular Project

</H1>



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays the project structure for 'MyFirstProject'. The file 'app.component.html' is selected. The main editor area shows the content of 'app.component.html' with the following code:

```
1 <H1>
2   This is an example to show creation of angular Project
3 </H1>
```

The status bar at the bottom indicates 'You, 1 second ago * Uncommitted changes'.

1.10 Now, open the browser to check the output

