* Setup : Development Environment
* **Node.js :** Node.js is an open source, cross-platform JavaScript run time environment.
* **Go to :** <https://nodejs.org>
* **Npm :** npm is a node.js package manager for JavaScript programming language. It is automatically installed with node.js.
* **Typescript :** need to install it using command – npm install –g typescript
* **Angular CLI (Command Line Interface) :** It is a tool to that allow us to create a project, build and run it on development environment server directly using command line. Command: npm install –g @angular/cli
* Create Project:
* First, create a folder name as Angular, on a desktop or wherever you want. Open Visual code, click on File, go to "Open Folder (ctrl+O)" option and then click on it.
* To create a project in Angular 7, we will use the following command – ng new project name
* EX: We will name the project as ng new angular8app.
* It's going to present you with a couple of questions before beginning: the Angular CLI will prompt you with two options.
* The first option will ask you whether you want to add routing support or not.
* While the second option will ask you which stylesheet format (CSS, SCSS, SASS etc.) you would like to use.
* The project (angular8app) is created successfully. It installs all the required packages necessary for our project to run in Angular 8.
* Let us now switch to the project created, which is in the directory angular8app. Change the directory in the command line - cd angular8app.
* Let's compile our project with the following command – ng serve
* Once the project has been completed, you will get the output that was completed Successfully , as shown in the image.
* The Web server starts at port 4200. Enter the URL http://localhost:4200/ in the browser and you will be directed to the angular app.
* Decorators :
* Decorators are the features of Typescript and are implemented as functions. The name of the decorator starts with @ symbol following by bracket and arguments, since decorators are just function in Typescript.
* Decorators are simply functions that return functions. These functions supply metadata to Angular about a particular class, property, value or method...
* Decorators are invoked at runtime.
* Decorators allow us to execute functions. For example, @Component executes the component function imported from Angular 8.
* Some Common Decorators :
* @NgModule() to define modules..
* @Component() to define components.
* @Injectable() to define services..
* @Input() and @Output to define properties ..that send and receive data from DOM.
* There are many built in decorators available in Angular..and many properties on each decorator.
* Some Common Decorators :
* Class Decorators : eg. @Component and @NgModule
* Property Decorators : for properties inside classes, eg. @Input and @Output
* Method Decorators : for methods inside classes, eg. @HostListener
* Parameter Decorators : for parameters inside class constructors, eg. @Inject
* Each Decorator has a unique role.