

## Lesson 02 Demo 06

### Working with Directives

**Objective:** To work with directives in Angular application

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

**Pre-requisites:** Knowledge of JavaScript, Typescript, and Node.js

Steps to be followed:

1. Create a directive in the angular application

#### Step 1: Create a directive in the angular application

- 1.1 Create a folder named **Directives\_example** using the **mkdir** command and navigate to the folder



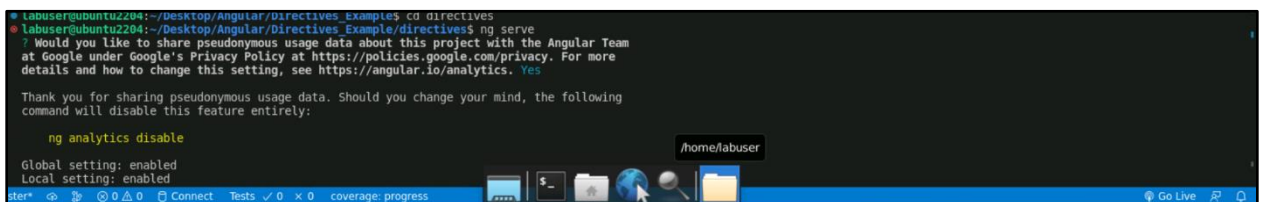
```
labuser@ubuntu204:~/Desktop/Angular$ mkdir Directives Example
labuser@ubuntu204:~/Desktop/Angular$ cd Directives Example
```

- 1.2 Create an angular application using the **ng new directives** command and navigate to the project



```
labuser@ubuntu204:~/Desktop/Angular/Directives Example$ ng new directives
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? CSS
CREATE directives/README.md (1064 bytes)
CREATE directives/.editorconfig (274 bytes)
CREATE directives/.gitignore (548 bytes)
CREATE directives/angular.json (2720 bytes)
CREATE directives/package.json (1041 bytes)
CREATE directives/tsconfig.json (1001 bytes)
```

- 1.3 Run the application using the **ng serve** command



```
labuser@ubuntu204:~/Desktop/Angular/Directives Example$ cd directives
labuser@ubuntu204:~/Desktop/Angular/Directives Example/directives$ ng serve
? 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 setting: enabled
Local setting: enabled
```

1.4 Open the **app.component.html** file and add the following code:

```
<!DOCTYPE html>

<html>

<h1>

  Directives Testing!

</h1>

<div *ngIf="classes.length > 0">

  List of classes

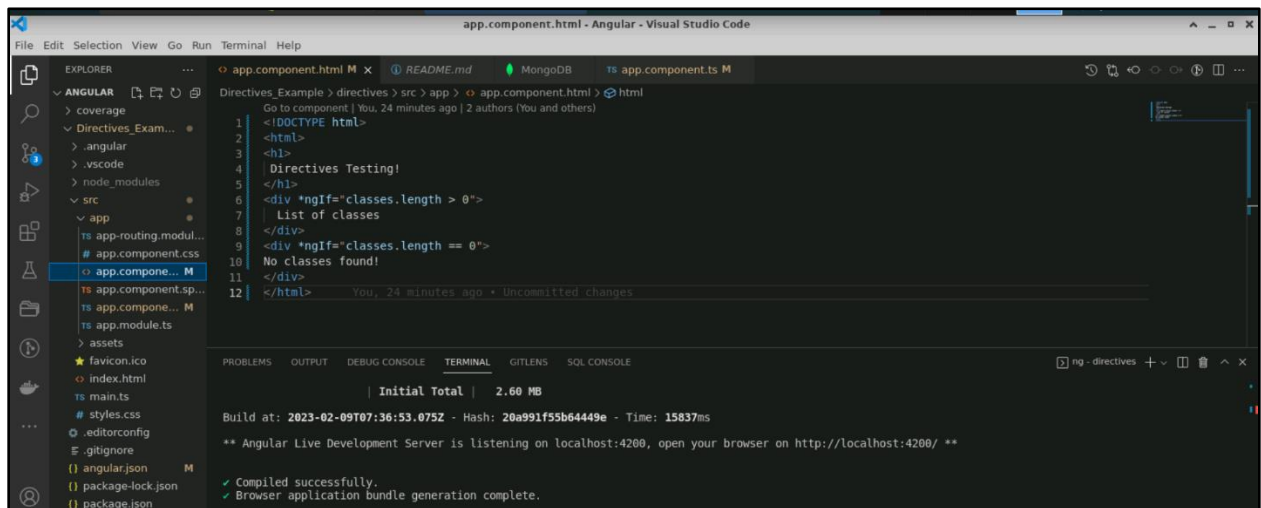
</div>

<div *ngIf="classes.length == 0">

  No classes found!

</div>

</html>
```



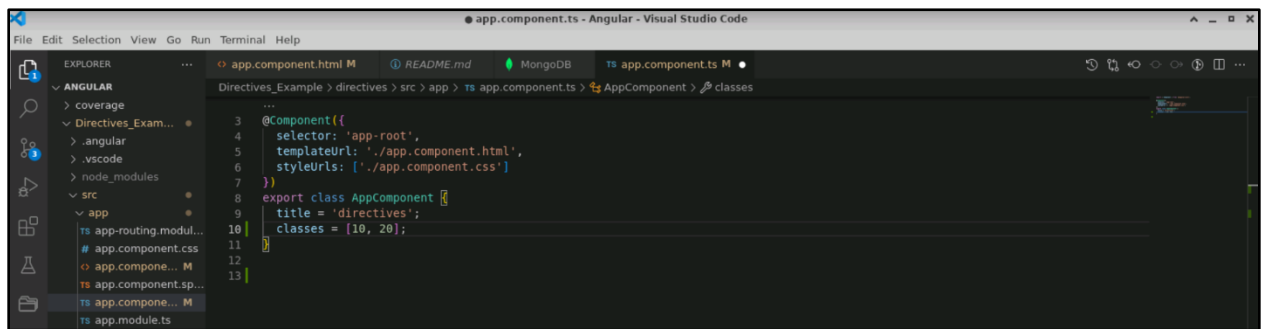
1.5 Open the **app.component.ts** file and add the following code:

```
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
```

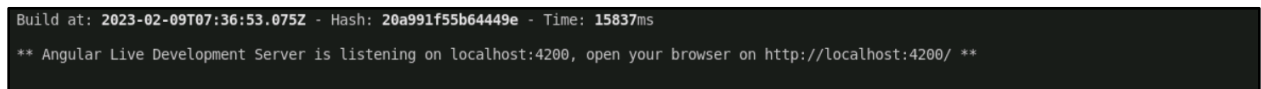
```

})
export class AppComponent {
  title = 'directives';
  classes = [10, 20];
}

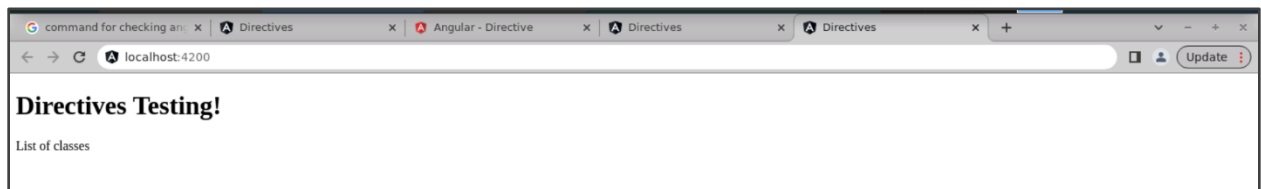
```



1.6 Run the application in the browser by going to the link as shown below:



The output of the application is shown below:



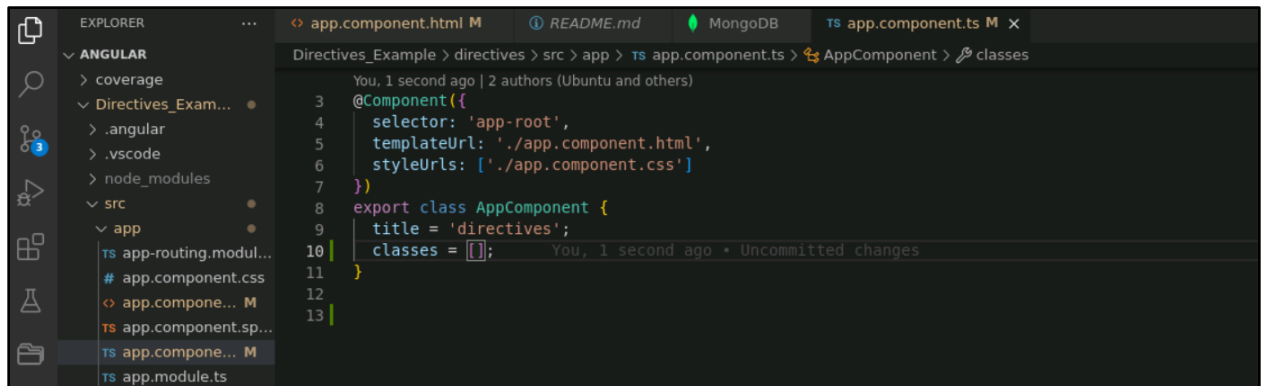
1.7 Open the **app.component.ts** file and paste the below code after deleting the existing code:

```

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'directives';
}

```

```
classes = [];  
}
```



```
app.component.html M  README.md  MongoDB  TS app.component.ts M X  
Directives_Example > directives > src > app > TS app.component.ts > AppComponent > classes  
You, 1 second ago | 2 authors (Ubuntu and others)  
3 @Component({  
4   selector: 'app-root',  
5   templateUrl: './app.component.html',  
6   styleUrls: ['./app.component.css']  
7 })  
8 export class AppComponent {  
9   title = 'directives';  
10  classes = [];  
11 }  
12  
13
```

1.8 The output is as shown below:

