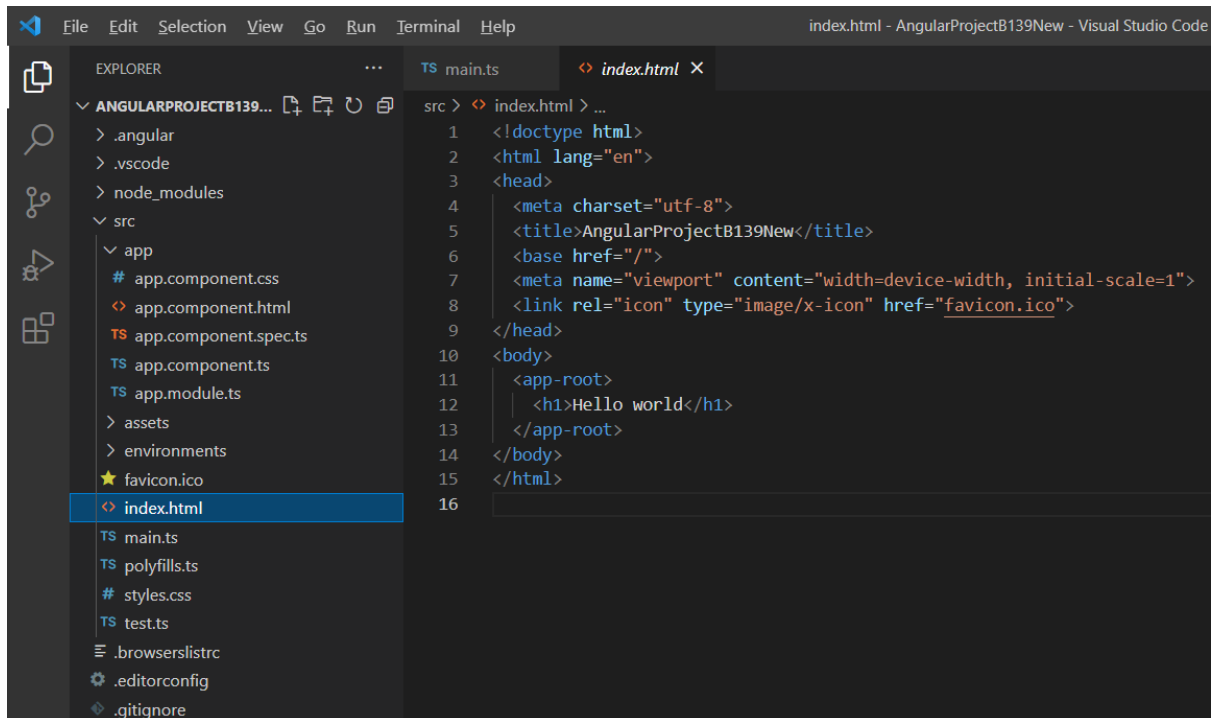


When program is compiled successfully, it runs **index.html** file.

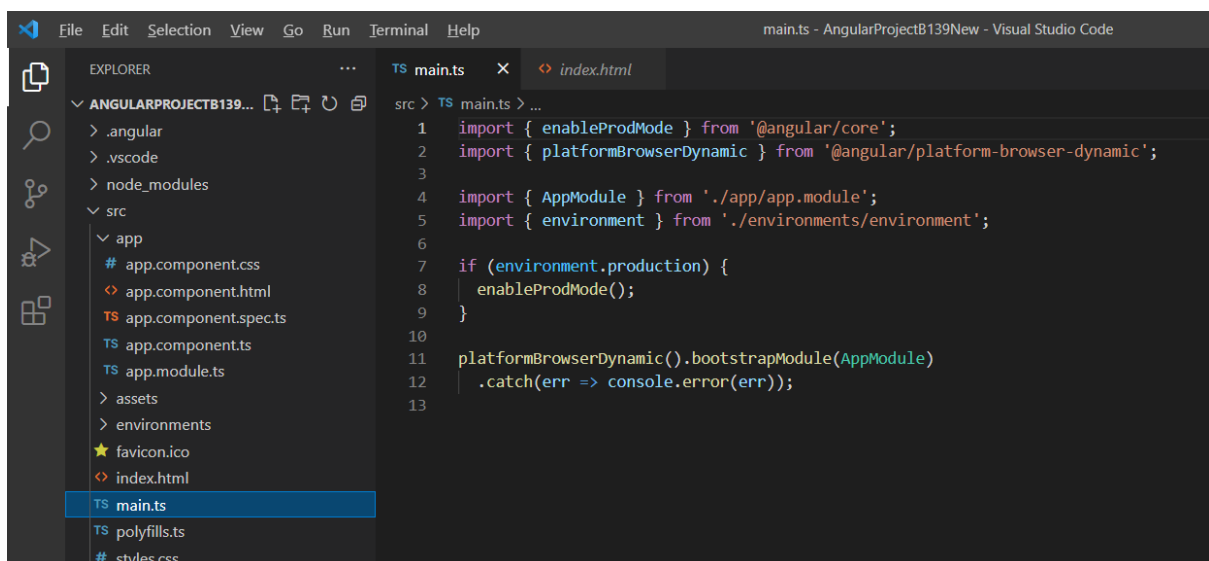


The screenshot shows the Visual Studio Code interface. The Explorer on the left displays the project structure for 'ANGULARPROJECTB139New'. The 'src' folder is expanded, showing files like 'app.component.css', 'app.component.html', 'app.component.spec.ts', 'app.component.ts', 'app.module.ts', 'assets', 'environments', 'favicon.ico', and 'index.html'. The 'index.html' file is selected and its content is displayed in the Editor. The content is a basic HTML document with a title 'AngularProjectB139New' and a body containing 'Hello world'.

```
1 <!doctype html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <title>AngularProjectB139New</title>
6   <base href="/">
7   <meta name="viewport" content="width=device-width, initial-scale=1">
8   <link rel="icon" type="image/x-icon" href="favicon.ico">
9 </head>
10 <body>
11   <app-root>
12     <h1>Hello world</h1>
13   </app-root>
14 </body>
15 </html>
16
```

File: 1 index.html

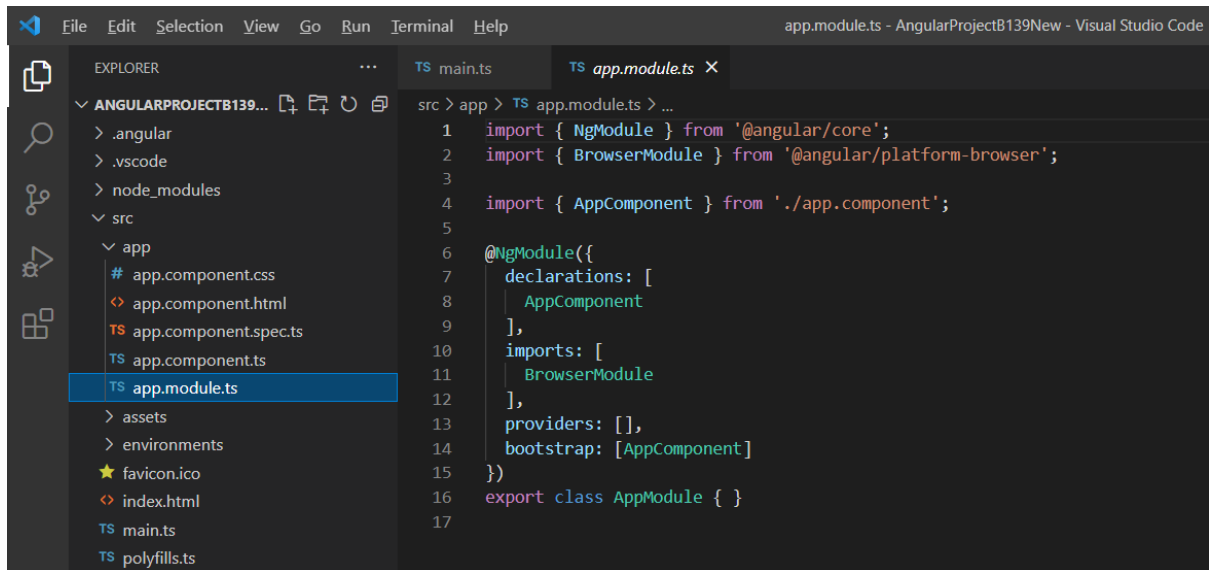
index.html file automatically calls **main.ts** file.



The screenshot shows the Visual Studio Code interface. The Explorer on the left displays the project structure for 'ANGULARPROJECTB139New'. The 'src' folder is expanded, showing files like 'app.component.css', 'app.component.html', 'app.component.spec.ts', 'app.component.ts', 'app.module.ts', 'assets', 'environments', 'favicon.ico', 'index.html', 'main.ts', 'polyfills.ts', and 'styles.css'. The 'main.ts' file is selected and its content is displayed in the Editor. The content is a TypeScript file that imports necessary modules and bootstraps the application.

```
1 import { enableProdMode } from '@angular/core';
2 import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
3
4 import { AppModule } from './app/app.module';
5 import { environment } from './environments/environment';
6
7 if (environment.production) {
8   enableProdMode();
9 }
10
11 platformBrowserDynamic().bootstrapModule(AppModule)
12   .catch(err => console.error(err));
13
```

File: 2 main.ts

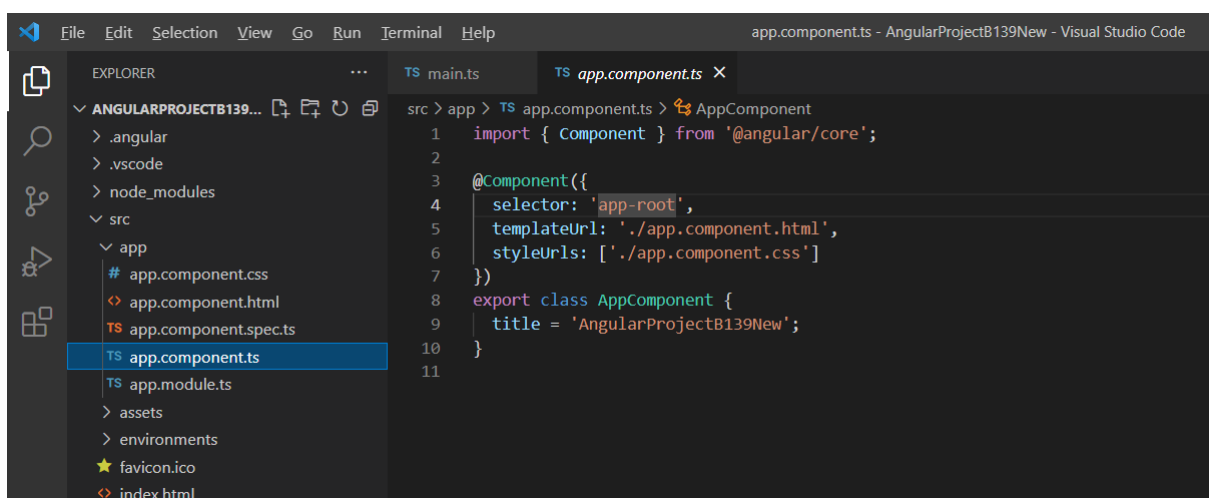


File: 4 app.module.ts

app.module.ts file includes **AppModule** class. Which is declared by the annotation **@NgModule**, we call this **decorator** == annotation.

1. **declaration**: it is used to register component, pipes and directives.
2. **import block**: it is used to register modules.
3. **providers**: used to register services.
4. **bootstrap**: used to execute the first component of the program.

App.module.ts file will call parent component as **app.component.ts** file.



File: 5 app.component.ts

`@component` is the decorator which mark class as a component.

1. **Selector**: It is used to copy data from html file and share it in index.html file.

2. **TemplateUrl**: is used to declare the html file name of component.

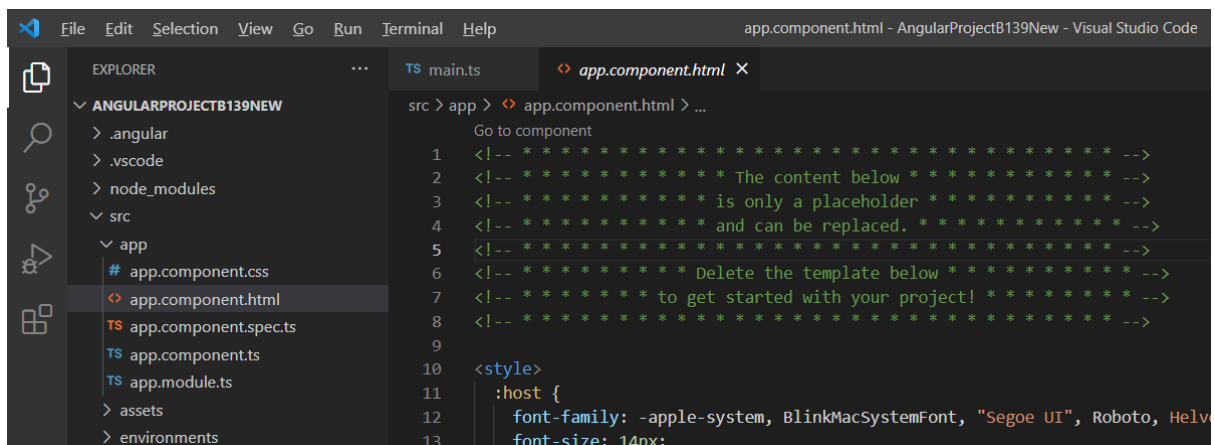
3. **StyleUrls**: is used to declare the CSS file name of the component.

Command for the component generation is: `ng g c component Name`

Command for the module generation is: `ng g m module Name`

```
templateUrl: './app.component.html',
```

this URL will fetch data from `app.component.html` file.



File: 6 app.component.html

Delete this template and start your project here. ↓

```

<!-- ***** -->
<!-- ***** The content below ***** -->
<!-- ***** is only a placeholder ***** -->
<!-- ***** and can be replaced. ***** -->
<!-- ***** -->
<!-- ***** Delete the template below ***** -->
<!-- ***** to get started with your project! ***** -->
<!-- ***** -->

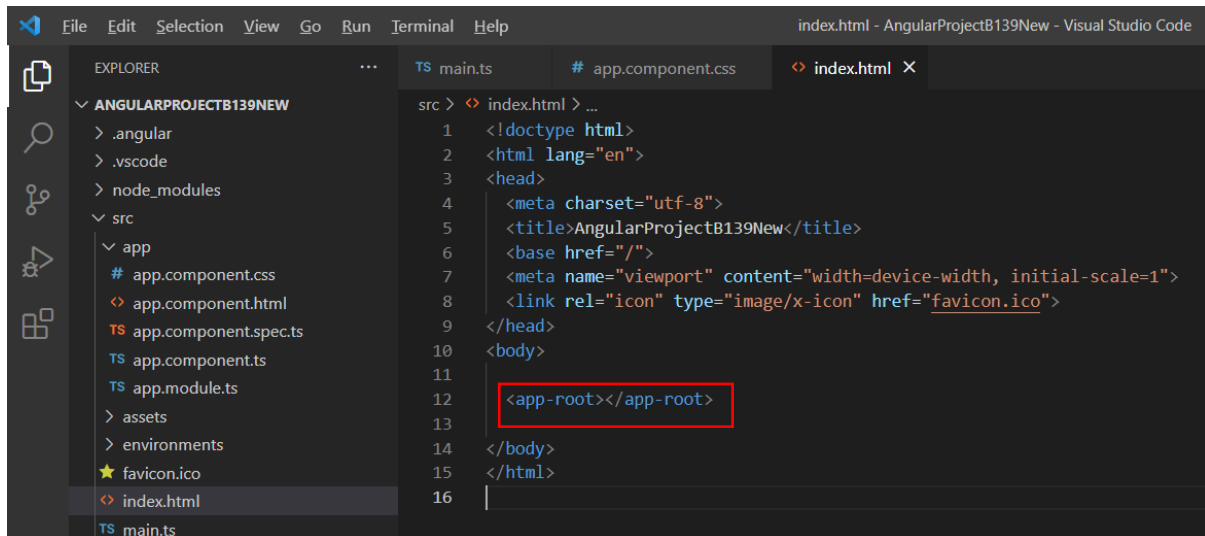
```

```
styleUrls: ['./app.component.css']
```

this URL will add CSS files for styling.

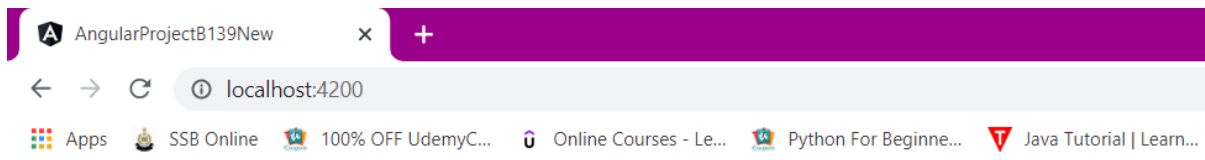
```
selector: 'app-root'
```

the data of **app.component.html** file will copy with the help of **app-root** which is the selector of **app.component** file.



selector: 'app-root' of **app.component.ts** file is present in **index.html** in form of **<app-root></app-root>** tag .

flow will go back to **index.html** file and data will print on the browser.



AngularProjectB139New Running

File: 7 localhost:4200
