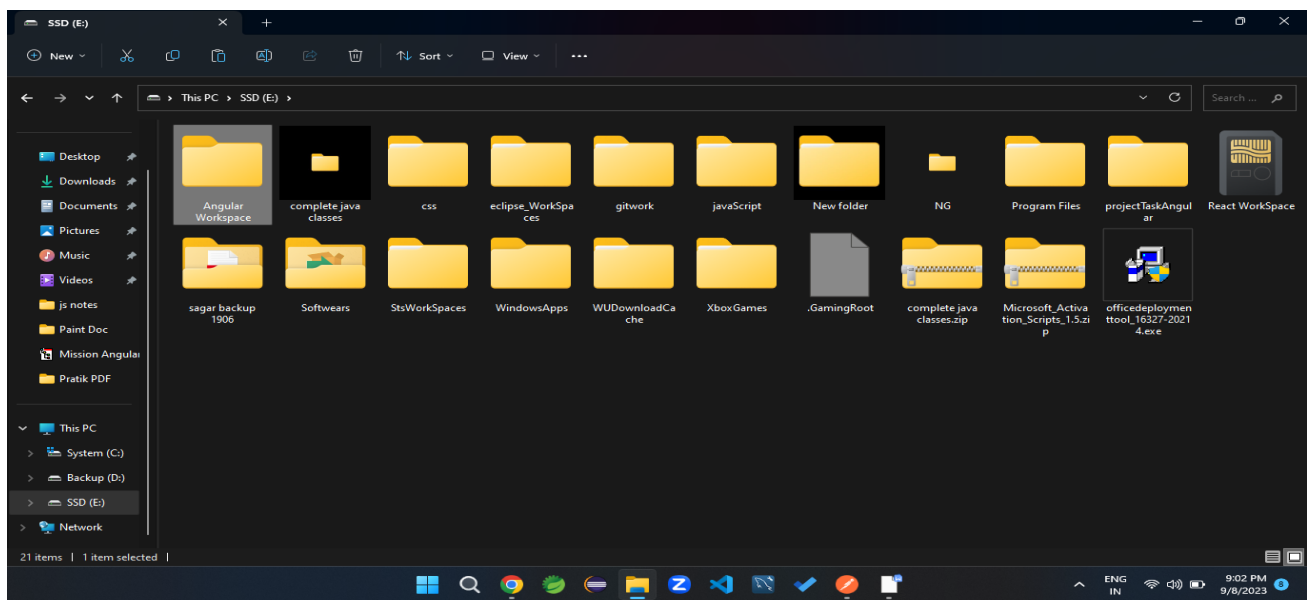




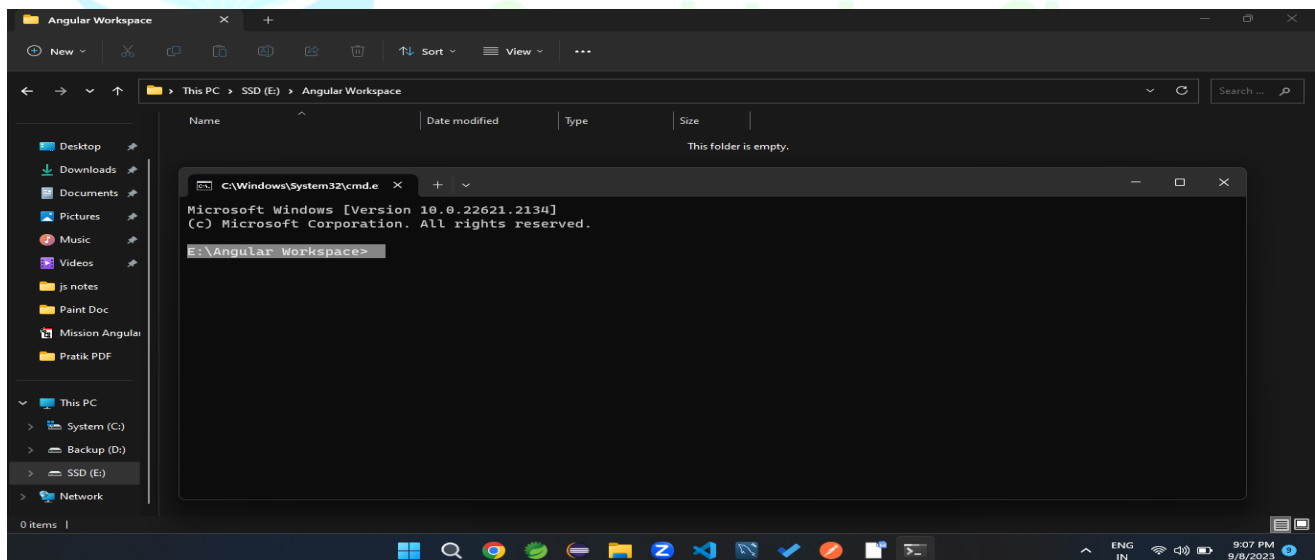
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❖ Creating Our First Angular App:

1. Create a folder in any of the directory where all angular project will be stored.



2. Open the created folder and launch command-prompt here.



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3. On cmd use Angular CLI command **ng new project_name** to generate angular project.

```
C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

E:\Angular Workspace>ng new First_App
```

4. Press Enter button , Here we need to decide whether we want to use angular routing in our project or not(as of now we are not aware with angular routing, so we will not add angular routing in our project).

So press N to avoid routing.

```
npm x + v
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

E:\Angular Workspace>ng new First_App
? Would you like to add Angular routing? (y/N) N
```



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5. Press Enter button , Now we need to chose style sheet format for our angular project. By default CSS is selected which we like to add , so just press Enter button.

```
npm
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

E:\Angular Workspace>ng new First_App
? Would you like to add Angular routing? No
? Which stylesheet format would you like to use? (Use arrow keys)
> CSS
  SCSS [ https://sass-lang.com/documentation/syntax#scss ]
  Sass [ https://sass-lang.com/documentation/syntax#the-indented-syntax ]
  Less [ http://lesscss.org ]
```

6. NPM will start creating you application (it will take some time).

```
npm install
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

E:\Angular Workspace>ng new First_App
? Would you like to add Angular routing? No
? Which stylesheet format would you like to use? CSS
CREATE First_App/angular.json (2715 bytes)
CREATE First_App/package.json (1040 bytes)
CREATE First_App/README.md (1062 bytes)
CREATE First_App/tsconfig.json (901 bytes)
CREATE First_App/.editorconfig (274 bytes)
CREATE First_App/.gitignore (548 bytes)
CREATE First_App/tsconfig.app.json (263 bytes)
CREATE First_App/tsconfig.spec.json (273 bytes)
CREATE First_App/.vscode/extensions.json (130 bytes)
CREATE First_App/.vscode/launch.json (470 bytes)
CREATE First_App/.vscode/tasks.json (938 bytes)
CREATE First_App/src/main.ts (214 bytes)
CREATE First_App/src/favicon.ico (948 bytes)
CREATE First_App/src/index.html (294 bytes)
CREATE First_App/src/styles.css (80 bytes)
```



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7. Once ' **Packages installed successfully.** ' statement printed on command prompt , your angular application is ready to work.

```
C:\Windows\system32\cmd.e  X  +  v
CREATE First_App\README.md (1062 bytes)
CREATE First_App\tsconfig.json (901 bytes)
CREATE First_App\.editorconfig (274 bytes)
CREATE First_App\.gitignore (548 bytes)
CREATE First_App\tsconfig.app.json (263 bytes)
CREATE First_App\tsconfig.spec.json (273 bytes)
CREATE First_App\.vscode\extensions.json (130 bytes)
CREATE First_App\.vscode\launch.json (470 bytes)
CREATE First_App\.vscode\tasks.json (938 bytes)
CREATE First_App\src\main.ts (214 bytes)
CREATE First_App\src\favicon.ico (948 bytes)
CREATE First_App\src\index.html (294 bytes)
CREATE First_App\src\styles.css (80 bytes)
CREATE First_App\src\app\app.module.ts (314 bytes)
CREATE First_App\src\app\app.component.html (23083 bytes)
CREATE First_App\src\app\app.component.spec.ts (901 bytes)
CREATE First_App\src\app\app.component.ts (213 bytes)
CREATE First_App\src\app\app.component.css (0 bytes)
CREATE First_App\src\assets\.gitkeep (0 bytes)
/ Packages installed successfully.
warning: in the working copy of '.editorconfig', LF will be replaced by CRLF the next time Git touches it
```

❖ **Open First_App angular project in IDE(VS code):**

1. Navigate cmd to your project directory using **cd** command as below.

```
E:\Angular Workspace>cd First_App
E:\Angular Workspace\First_App>
```



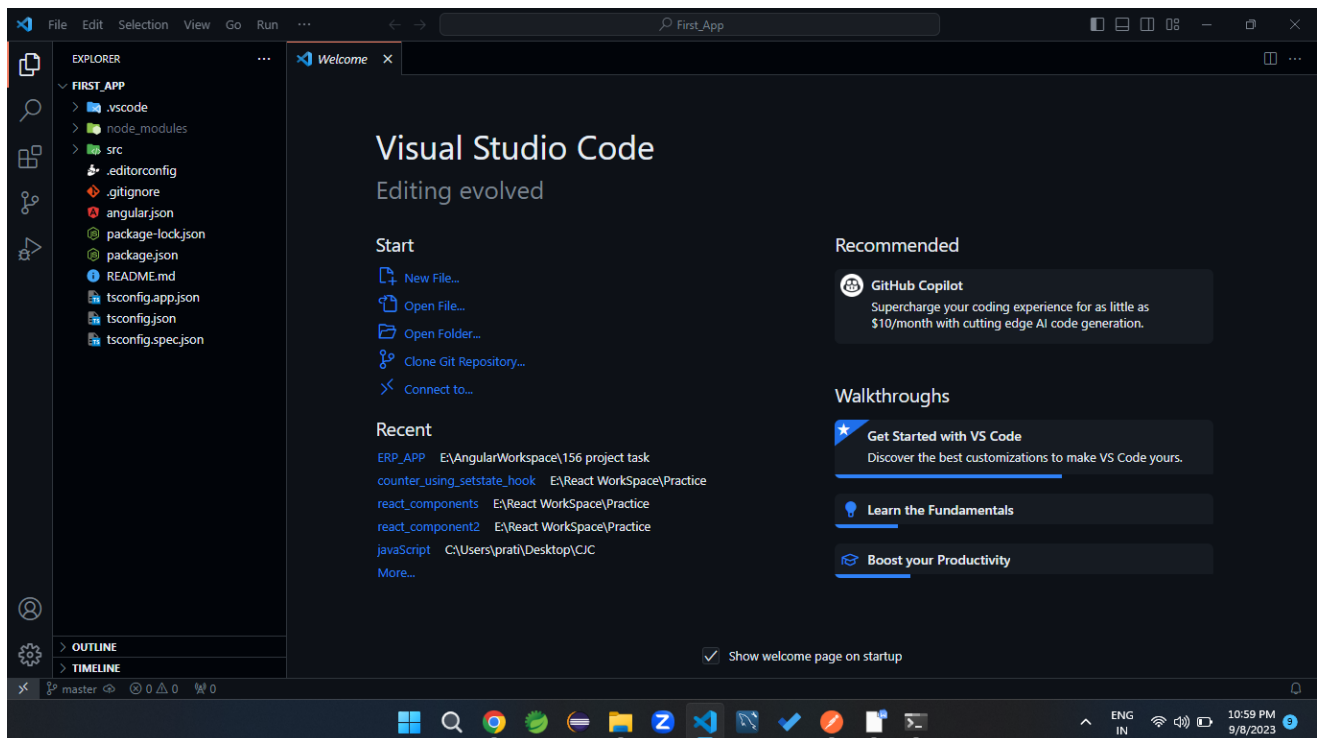
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2. To open current directory (Project folder) in VS code use **code .** command.

```
E:\Angular Workspace\First_App>code .
```

3. Once you press Enter button **code .** command will launch VS code IDE in current directory of cmd.





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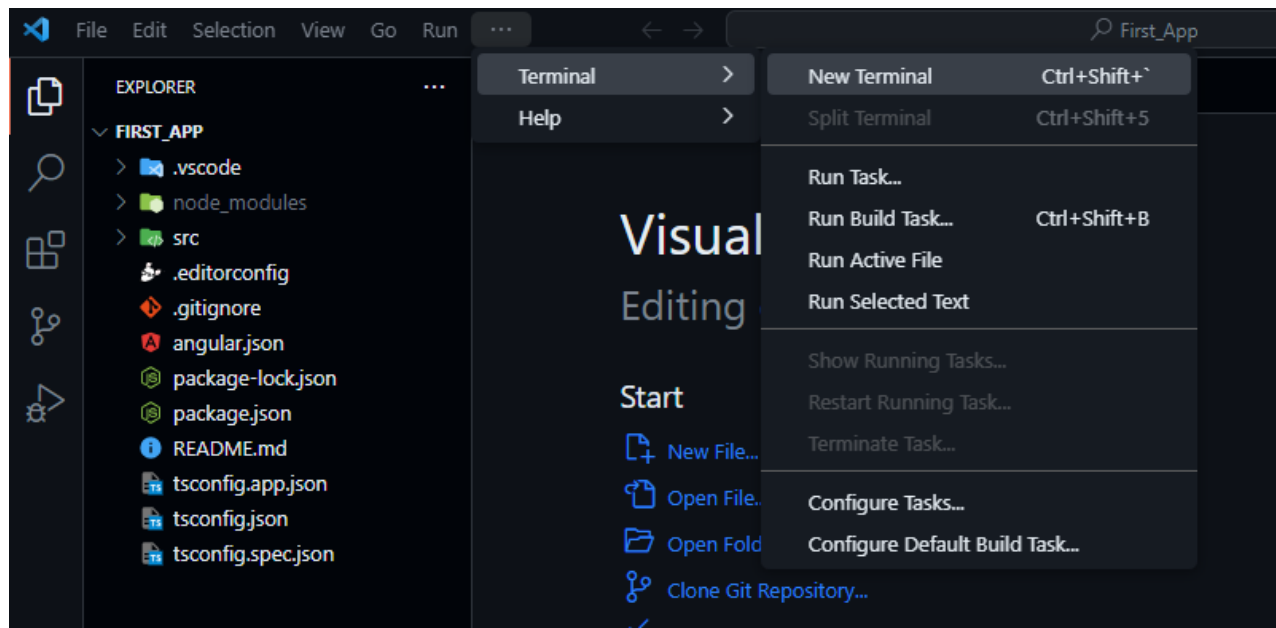
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❖ Run angular project using Angular CLI:

1. Open terminal in vs code.(... -> Terminal -> New Terminal)



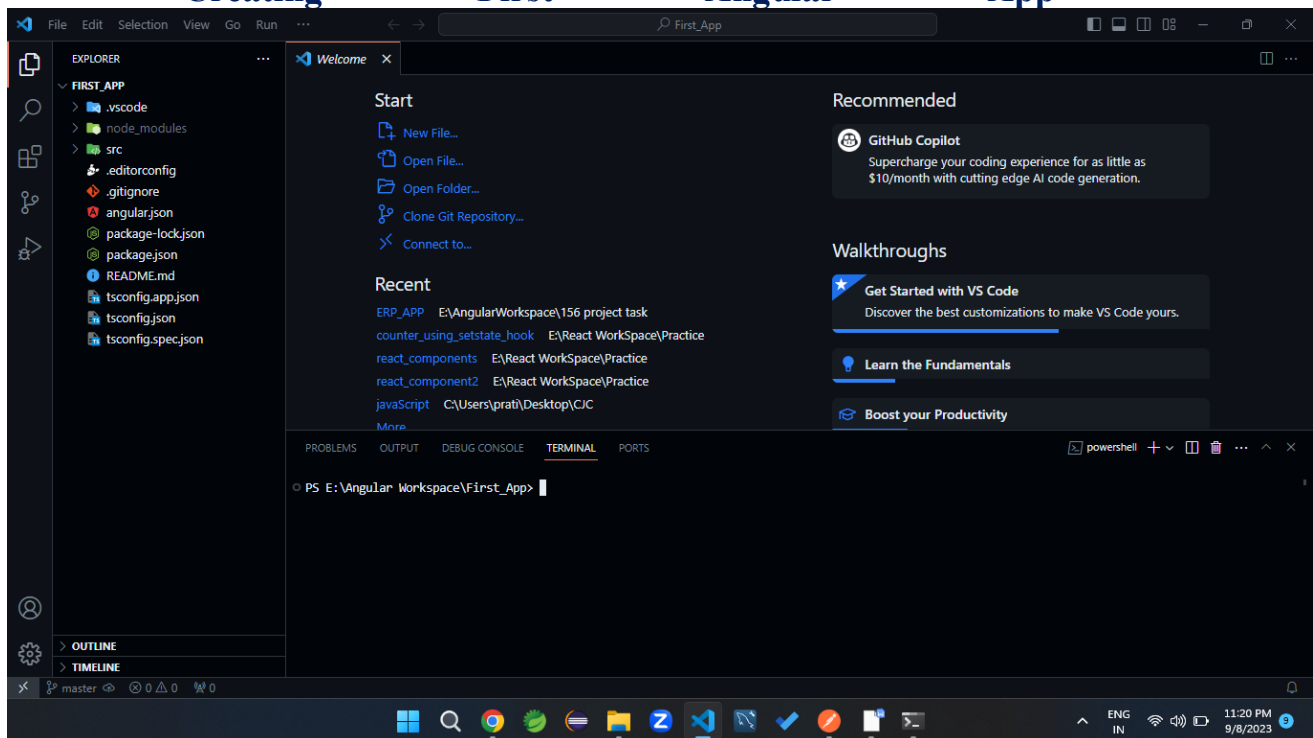
2. By default vs code terminal is open in power-shell mode.

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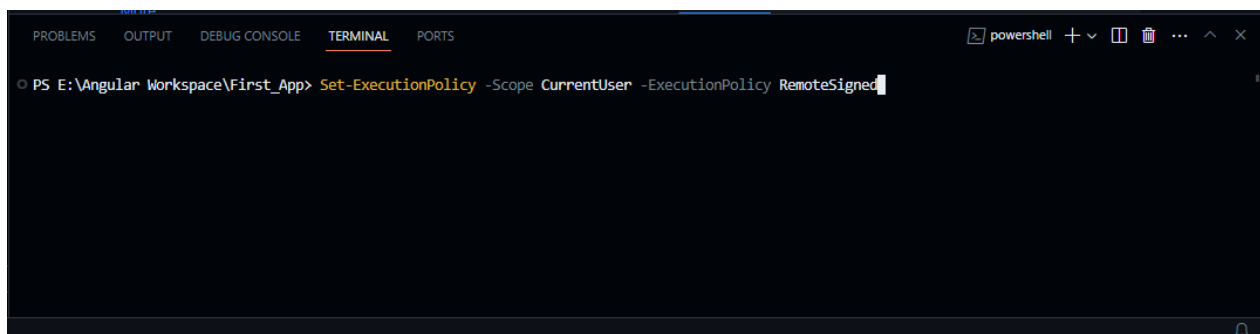
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3. **NOTE :** On Windows client computers, the execution of Power-Shell scripts is disabled by default. To allow the execution of Power-Shell scripts, which is needed for npm global binaries, you must set the following execution policy:

Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy RemoteSigned



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4. Finally, We can use Angular CLI command **ng server** to execute our angular project.

```
PS E:\Angular Workspace\First_App> Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy RemoteSigned
PS E:\Angular Workspace\First_App> ng serve
✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Raw Size
vendor.js           | vendor | 2.03 MB
polyfills.js        | polyfills | 333.18 kB
styles.css, styles.js | styles | 230.45 kB
main.js             | main | 46.01 kB
runtime.js          | runtime | 6.52 kB
Initial Total | 2.63 MB

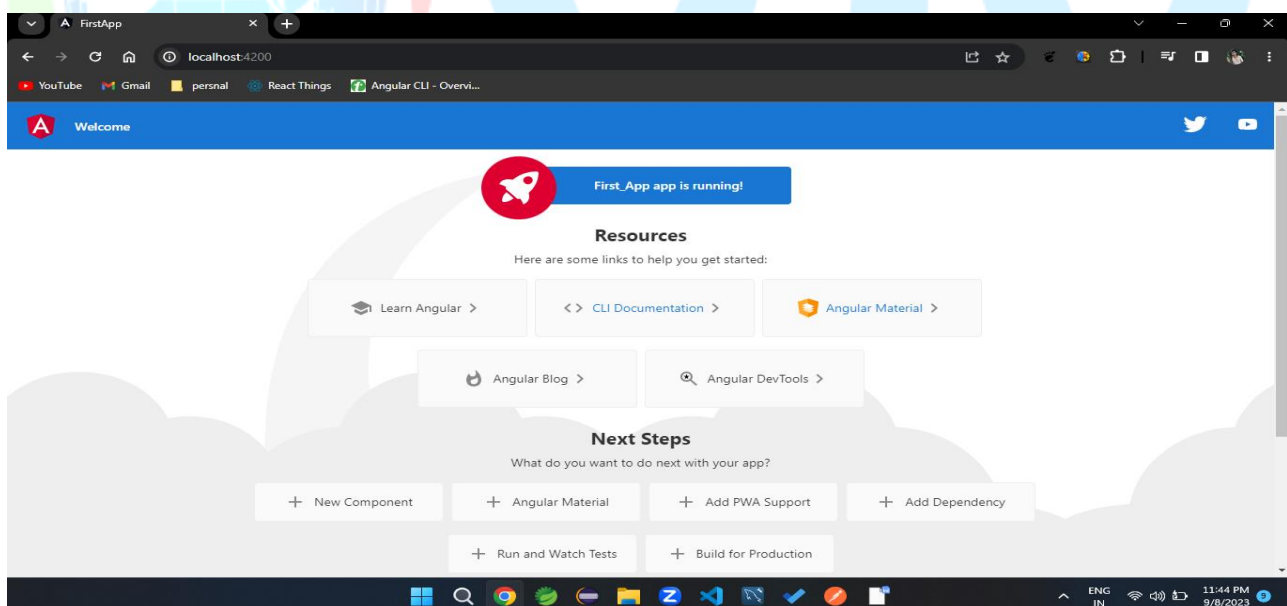
Build at: 2023-09-08T18:05:43.736Z - Hash: e895920bc56f32c2 - Time: 21082ms

** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **

✓ Compiled successfully.
```

5. Here, On the terminal we able to see our application is compiled successfully and our angular live development server is listening port number 4200.

Lets open any web browser and visit to localhost:4200 (it will view output of our application).



(On browser we can see default Html provided to your project by angular team.)

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❖ How to display our own Html in angular project.

1. Open app.component.html file.(src -> app -> app.component.html)

```
1  Go to component
2  <!-- ***** The content below ***** -->
3  <!-- ***** is only a placeholder ***** -->
4  <!-- ***** and can be replaced. ***** -->
5  <!-- ***** Delete the template below ***** -->
6  <!-- ***** to get started with your project! ***** -->
7  <!-- ***** -->
8  <!-- ***** -->
9
10 <style>
11 :host {
12   font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Helvetica, Arial, sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol";
13   font-size: 14px;
14   color: #333;
15   box-sizing: border-box;
16   -webkit-font-smoothing: antialiased;
17   -moz-osx-font-smoothing: grayscale;
18 }
19
20 h1,
21 h2,
22 h3,
23 h4,
24 h5,
25 h6 {
26   margin: 8px 0;
27 }
28
29 p {
30   margin: 0;
31 }
```

2. Remove all the default code of app.component.html and write your own code.

```
1  <h1>
2  Welcome To Complete Java Classes By Kunal Sir.!
3  </h1>
```

Compiled successfully.



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3. Check output on browser.
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