



CJC

Complete Java Classes

by Kunal Sir

Creating Custom Components

❖ How to create a tree structure of components using custom components:-

1. Create angular component using ng command `ng g c template/header --skip-tests`.

i. ng :- ng stand for angular.

ii. g:- g stand for generate.

iii. c:- c stand for component.

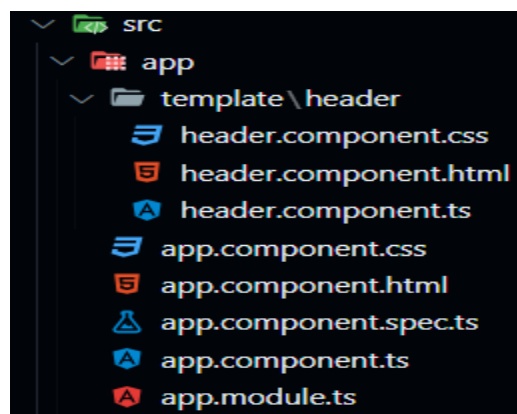
iv. template:- template is a directory (package) name where we want to create our component

v. header:- header is nothing but our custom component name.

vi. --skip-tests:- to skip spec.ts (testing related) file.

```
PS E:\Angular Workspace 2\First_App> ng g c template/header --skip-tests
CREATE src/app/template/header/header.component.html (21 bytes)
CREATE src/app/template/header/header.component.ts (202 bytes)
CREATE src/app/template/header/header.component.css (0 bytes)
UPDATE src/app/app.module.ts (601 bytes)
PS E:\Angular Workspace 2\First_App>
```

◆ In the above image we can see our component files are generated which has html,css,ts file and same we can observe in explorer .





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- ◆ At same time we can see app.module.ts is updated (automatically HeaderComponent is declared in AppModule.

```
app.module.ts X
src > app > app.module.ts > ...
4  import { AppComponent } from './app.component';
5  import { HeaderComponent } from './template/header/header.component';
6
7  @NgModule({
8    declarations: [
9      // This property is use to declare components, pipes and directive.
10     AppComponent,
11     HeaderComponent
12   ],
13   imports: [
14     // Here we can import predefined as well as custom modules
15     BrowserModule
16   ],
17   providers: [
18     // We can import angular services here ( Not Mandatory )
19   ],
20   bootstrap: [AppComponent]
21 })
22 export class AppModule { }
```

2. Copy the selector of HeaderComponent .

```
app.module.ts  header.component.ts X
src > app > template > header > header.component.ts > HeaderComponent
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-header',
5    templateUrl: './header.component.html',
6    styleUrls: ['./header.component.css']
7  })
8  export class HeaderComponent {
9
10 }
11
```



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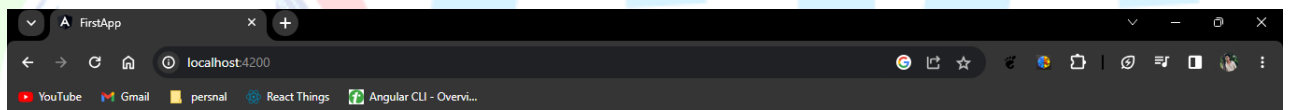
Custom

3. Paset the selector in app.component.html in tag format.

```
src > app > app.component.html > app-header
Go to component
1 <h1>
2   Welcome To Complete Java Classes By Kunal Sir..!
3 </h1>
4 <app-header*/app-header>
```

4. Run the app using angular cli command **ng serve**.

5. On the browser we check output.



Welcome To Complete Java Classes By Kunal Sir..!

header works!





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On the browser we can see paragraph 'header works!' is displayed which is written in **header.component.html**.

```
header.component.html ×
src > app > template > header > header.component.html > ...
Go to component
1 <p>header works!</p>
2 |
```



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