Generate new directive component

-ng g c directive

Now in **directive.component.html** file

<div class="container">

    <h2>Directive Demo</h2>

    <h2>Structural Directive</h2>

    <h3>1. ngFor Directive</h3>

    <table class="table table-striped table-bordered">

        <thead>

            <tr>

                <th>Name</th>

                <th>Email</th>

            </tr>

        </thead>

        <tbody>

            <!--ngFor Directive-->

            <tr \*ngFor="let p of products">

                <td>{{p.name}}</td>

                <td>{{p.email}}</td>

            </tr>

        </tbody>

    </table>

    <h3>2. ngIf Directive</h3>

    <button class="btn btn-primary " (click)="show()">Show  Div</button>

    <div \*ngIf="flag" style="background-color: orange;" >

        Congratulations!! You Have Successfully Implemented ngIf

    </div>

    <h3>3. ngSwitch Directive</h3>

    <div [ngSwitch]="day">

        <div \*ngSwitchCase=0>

            Today is Sunday

        </div>

        <div \*ngSwitchCase=1>

            Today is Monday

        </div>

        <div \*ngSwitchCase=2>

            Today is Tuesday

        </div>

        <div \*ngSwitchCase=3>

            Today is Wednesday

        </div>

        <div \*ngSwitchCase=4>

            Today is Thursaday

        </div>

        <div \*ngSwitchCase=5>

            Today is Friday

        </div>

        <div \*ngSwitchCase=6>

            Today is Saturday

        </div>

        <h2 changecolor>CUSTOM Directive</h2>

        <h2 highlight>CUSTOM Directive Using Rendred2</h2>

    </div>

</div>

Goto>**directive.component.ts** file

import { Component, OnInit } from '@angular/core';

@Component({

  selector: 'app-directives',

  templateUrl: './directives.component.html',

  styleUrls: ['./directives.component.css']

})

export class DirectivesComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  products=[{"name":"Nikunj Soni","email":"nikunj@gmail.com"},

  {"name":"Alex","email":"alex@gmail.com"},

  {"name":"Jhon","email":"jhon@gmail.com"},

  {"name":"Sujal","email":"sujal@gmail.com"},

  {"name":"Baljeet","email":"baljeet@gmail.com"},

  {"name":"Mohan","email":"mohan@gmail.com"},

  {"name":"Rorisang","email":"rorisang@gmail.com"},

  {"name":"Arvind","email":"arvind@gmail.com"},

]

//used for if

flag=false;

show(){

  this.flag=!this.flag;

}

//used for switch case

public day= new Date().getDay();

}

To work with custom directives

Right click on app and prepare one file ChangeColorDirective.ts

 import {Directive,ElementRef} from "@angular/core";

 @Directive({selector:'[changecolor]'})

export class ChangeColorDirective{

    constructor(er:ElementRef){

        er.nativeElement.style.color="green";

    }

}

similarly prepare HighLightDirective.ts File

import {Directive,ElementRef,Renderer2} from "@angular/core";

@Directive({selector:'[highlight]'})

export class HighLightDirective{

    constructor(er:ElementRef,render:Renderer2){

        render.setStyle(er.nativeElement,'background-color','aqua');

    }

}

And register in **app.module .ts**

Goto>**app.module.ts** and register it in declaration

import { NgModule } from '@angular/core';

import { FormsModule,ReactiveFormsModule } from '@angular/forms';

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { DataService } from './data.service';

import { RegisterComponent } from './register/register.component';

import { ServiceComponent } from './service/service.component';

import { DirectivesComponent } from './directives/directives.component';

import { ChangeColorDirective } from './ChangeColorDirective';

import { HighLightDirective } from './HighLightDirective';

@NgModule({

  declarations: [

    AppComponent,

    RegisterComponent,

    ServiceComponent,

    DirectivesComponent,

    ChangeColorDirective,

    HighLightDirective

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule,

    FormsModule,

  ],

  providers: [DataService],

  bootstrap: [AppComponent]

})

export class AppModule { }

save it and check the output

