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 Thursday

        </div>

        <div \*ngSwitchCase="5">

            Today is Friday

        </div>

        <div \*ngSwitchCase="6">

            Today is Saturday

        </div>

    </div>

<h2 changecolor>Custom Directives</h2>

<h2 highlight> CUSTOM DIRECTIVE USING Renderer2</h2>

</div>

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

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

@Component({

  selector: 'app-directive',

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

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

})

export class DirectiveComponent implements OnInit {

  constructor(){}

  ngOnInit(): void {

  }

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

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

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

  {"name":"S.Rogaleo","email":"sr@gmail.com"},

]

//used for ng 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 new file **ChangeColorDirective.ts**

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

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

export class ChangeColorDirective{

    constructor(er:ElementRef){

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

    }

}

Similarly prepare **HighLightColorDirective.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');

    }

}

Now register this two newly created files to **app.module.ts** file

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 { ChangeColorDirective } from './ChangeColorDirective';

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

import { DirectiveComponent } from './directive/directive.component';

import { HighLightDirective } from './HighLightDirective';

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

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

@NgModule({

  declarations: [

    AppComponent,

    RegisterComponent,

    DirectiveComponent,

    ServiceComponent,

    ChangeColorDirective,

    HighLightDirective

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    ReactiveFormsModule,

    FormsModule

  ],

  providers: [DataService],//register service

  bootstrap: [AppComponent]

})

export class AppModule { }

save it and check the output



