**Phase-4 Practice Project: Assisted Practice -**

**7.DIRECTIVES**

**Source Code:**

**Directive.component.html:**

    <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>

**Directive.component.ts:**

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":"Anand","email":"anand@gmail.com"},

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

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

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

  {"name":"Raj","email":"Raj@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();

}

**ChangeColorDirective.ts:**

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

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

export class ChangeColorDirective{

   constructor(er:ElementRef){

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

   }

}

**HighLightDirective.ts:**

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');

    }

}

**OUTPUT:**





