

Phase-4 Practice Project: Assisted Practice

7.DIRECTIVES

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>
```

```

        <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>
        <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:

Form

localhost:54383

Directive Demo
Structural Directive
1. ngFor Directive

Name	Email
Anand	anand@gmail.com
Alex	alex@gmail.com
Jhon	jhon@gmail.com
Sujal	sujal@gmail.com
Raj	Raj@gmail.com
Mohan	mohan@gmail.com
Rorisang	rorisang@gmail.com
Arvind	arvind@gmail.com

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Form

localhost:54383

Alex	alex@gmail.com
Jhon	jhon@gmail.com
Sujal	sujal@gmail.com
Raj	Raj@gmail.com
Mohan	mohan@gmail.com
Rorisang	rorisang@gmail.com
Arvind	arvind@gmail.com

2. ngIf Directive
Show Div

3. ngSwitch Directive
Today is Wednesday
CUSTOM Directive
CUSTOM Directive Using Rendred2

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Viewing Nikunj (Trainer)'s desktop

localhost:54383

Alex	alex@gmail.com
Jhon	jhon@gmail.com
Sujal	sujal@gmail.com
Raj	Raj@gmail.com
Mohan	mohan@gmail.com
Rorisang	rorisang@gmail.com
Arvind	arvind@gmail.com

2. ngIf Directive

Show Div

Congratulations!! You Have Successfully Implemented ngIf

3. ngSwitch Directive

Today is Wednesday

CUSTOM Directive

CUSTOM Directive Using Rendred2

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