7.DIRECTIVES

Directive.component.html:

```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:

```typescript
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();
}
```
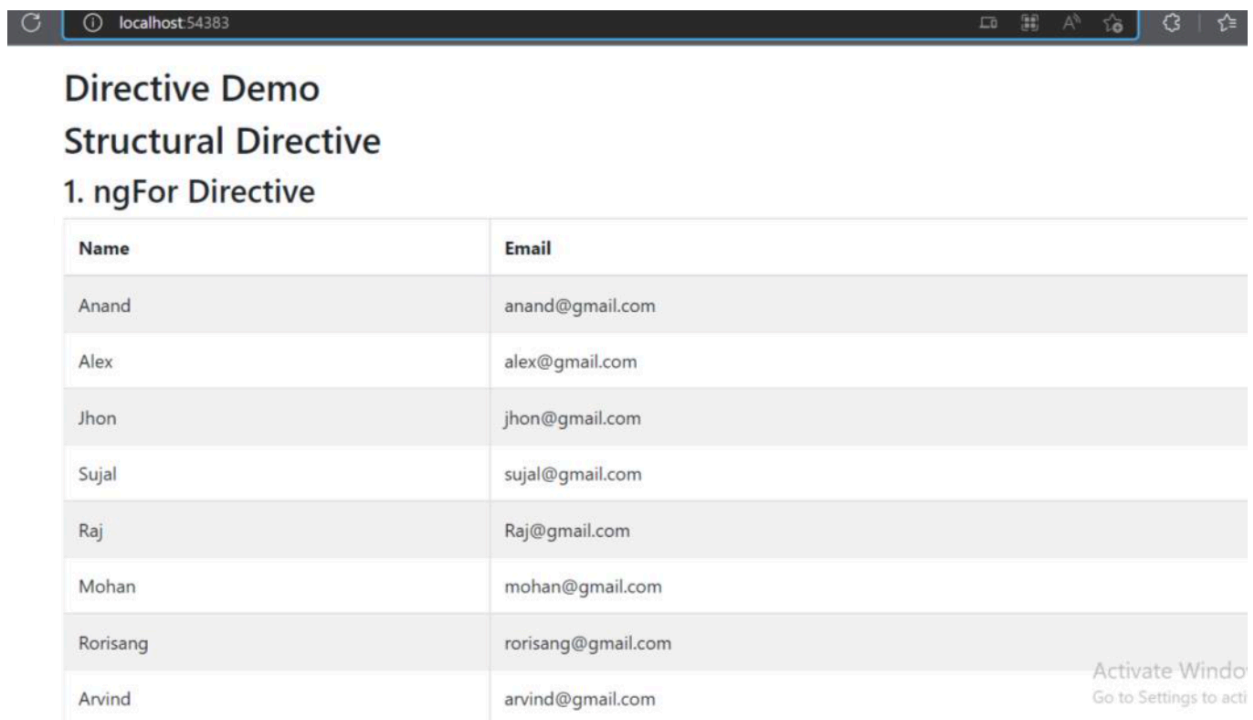
ChangeColorDirective.ts:

```typescript
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

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

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 nglf

3. ngSwitch Directive

Today is Wednesday

CUSTOM Directive

CUSTOM Directive Using Rendred2