**Directives in Angular4**

* Attribute Directive
* Structural Directive

Attribute Directive:--

Attribute Directive is basically used to modify or alter the appearance and behavior of an element.

The selector is the property that identifies the attribute. It is used as HTML tag to target & insert an instance of the directive class where it finds that tag. The directive class implements the desired directive behavior.

The code is in appform.html(in health care project sent with the document)

   <p [myHighlight]>   myHighlight me</p>

Structural Directive:--

Structural directives are responsible for shape or reshape the DOM’s structure, typically by adding, removing, or manipulating elements. Similar to other directives, you apply a structural directive to a host element. The directive then does whatever it’s designed to do with that host element. Structural directives are easy to recognize. An asterisk (\*) precedes the directive attribute name. It does not require brackets or parentheses like attribute directive.

Here \*ngif and \*ngFor is the Structural Directive in appForm.html and empList.html page in project i sent to the class.

AppForm.html:--

 <form [formGroup]="userform" (ngSubmit)="checkUser(userform.value)">

     <div class="row">

                        <div class="col-md-3">

                            <label for="firstName">User Id :</label> <input type="text"

                                id="firstName" formControlName="userId" class="form-control" placeholder="Required">

                                <div \*ngIf="userform.controls['userId'].hasError('required') && userform.controls['userId'].touched" class="alert alert-danger">You must include a First name.</div>

                                <div \*ngIf="userform.controls['userId'].hasError('minlength') && userform.controls['userId'].touched" class="alert alert-danger">Minimum Length must be there.</div>

                                <div \*ngIf="userform.controls['userId'].hasError('maxlength') && userform.controls['userId'].touched" class="alert alert-danger">Maximum  Length Exceeded.</div>

                        </div>

                        <div class="col-md-3">

                            <label for="lastname">Password :</label> <input type="text"

                                id="lastname" formControlName="password" class="form-control" placeholder="Required">

                                <div \*ngIf="userform.controls['password'].hasError('pattern') && userform.controls['password'].touched" class="alert alert-danger">No numbers in Passsword.</div>

                        </div>

                    </div>

                    <br>

                    <div class="row">

                        <div class="col-md-3">

                             <input type="submit" class="btn btn-info" value="View Details" [disabled]="!userform.valid">

                             <a  (click)="home()">Home</a>

                                <p [myHighlight]>   myHighlight me</p>

                        </div>

                    </div>

                </form>

empList.html:--

 <tr \*ngFor="let user of users">

        <td>{{user.userId}}</td>

        <td>{{user.firstname}}</td>

        <td>{{user.middleName}}</td>

        <td>{{user.password}}</td>

        <td>{{user.description}}</td>

      </tr>