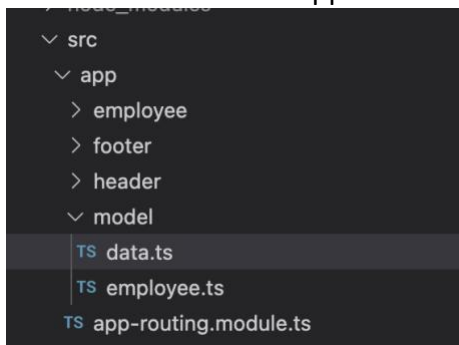


## STEP 5: Prepare model and data

### 1. Create a folder within app folder named model



### 2. Create 2 files within model folder as following:

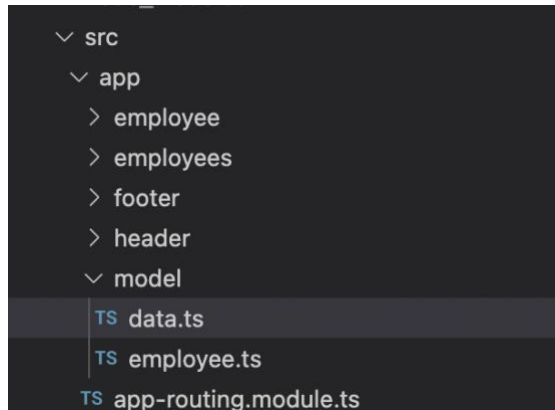
- employee.ts => that exports an interface Employee  

```
export interface Employee{
  eid:number,
  ename:string,
  email:string,
  phone:string,
  password:string,
  address:{
    city?:string,
    country:string,
    zipcode?:number
  }
}
```
- data.ts => that exports array of employees  

```
export let employees = [{eid:1,ename:'shalini',password:'shalini'
  email:'shalini@gmail.com',phone:'1321312312'
  , address:{country:'India'}},
  {eid:2,ename:'Reshma',
  email:'reshma@gmail.com',phone:'987659876',password:'shalini'1
  , address:{country:'India'}},
  {eid:3,ename:'Rahul',
  email:'rahul@gmail.com',phone:'645678678',password:'rahul'
  , address:{country:'India'}}]
```

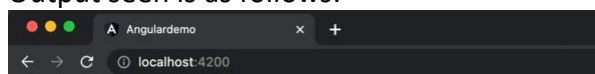
## STEP 6: Structural Directives [\*ngFor and \*ngIf]

1. Create Employees component using the below command from within the angulardemo folder:  
ng g c employees
2. Folder structure looks as follows:



3. Import employees[] created before in employees.component.ts and display on employees.component.html using \*ngFor.  

```
<div *ngIf="employees.length > 0">  
  <div *ngFor="let emp of employees">  
    <p>Name: {{emp.ename}}</p>  
    <p>Name: {{emp.email}}</p>  
  </div>  
</div>  
<div class="container" *ngIf="employees.length <= 0">  
  <h1>No employees yet joined your company!!!</h1>  
</div>
```
4. Add <app-employees> tag within the app.component.html file
5. Output seen is as follows:



### angulardemo

Some Message

Some Message

header works!

Name: shalini

Name: shalini@gmail.com

Name: Reshma

Name: reshma@gmail.com

Name: Rahul

Name: rahul@gmail.com

footer works!

## STEP 7: @Input Decorator

1. Instead of displaying the values in EmployeesComponent, pass the employee object from EmployeesComponent to EmployeeComponent using @Input decorator and [] data binding syntax

```
<div *ngIf="employees.length > 0">
  <app-employee [employee]="emp">
  </app-employee>
</div>
</div>
<div class="container" *ngIf="employees.length <= 0">
  <h1>No employees yet joined your company!!!</h1>
</div>
```

2. Add instance variable in employee.component.ts whose name should be same as provided in the [] brackets above as highlighted

```
@Input()
employee:Employee
constructor() {
  this.employee = {eid:1,ename:"",password:"",
  email:"",phone:""
  , address:{country:""}}
}
```

3. Update employee.component.html as follows:

```
<div class="employee">
  <p>Id: {{employee.eid}}</p>
  <p>Name: {{employee.ename}}</p>
  <p>Email: {{employee.email}}</p>
  <p>Phone: {{employee.phone}}</p>
</div>
```

4. Add styles to employee data in employee.component.css file

```
.employee{
  background-color: aliceblue;
  margin-bottom: 10px;
  padding: 10px;
  border: 1px solid;
}
```

5. Output seen is as below:

