Objective : To understand the concept of services and dependency injection in Angular.

Exercise :

Create a component named Employee. Create a service having employees' data and related method(s) to deliver the data to the component. Display the list of employees in the component by accessing the data via service and dependency injection.

Note: Follow the appropriate naming conventions.

Structure :
main project : angular_practicals
component : prac16

HTML (prac16.component.html) :

```html
<br><br><br>

<div>

    <button (click)="getdetails()">

        Get Employee Details

    </button>

    <br><br>

    <div class="details">

        <br>

        <ul *ngFor="let e of employees">

            ID : {{e.id}} <br>

            Name : {{e.name}} <br>

            Dept : {{e.department}} <br>
```

```
                    Salary : {{e.salary}} <br>

                    Contact : {{e.contact}} <br>

            </ul>

            <br>

        </div>
    </div>
```

CSS (prac16.component.css) :

```css
div {

    max-width: 800px;

    margin: 0 auto;

    padding: 20px;

    background-color: #b75969;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);

    border-radius: 16px;

    overflow: hidden;
}

button{

    margin-left: 32%;

    display: inline-block;

    padding: 15px 25px;

    font-size: 24px;

    cursor: pointer;

    text-align: center;
```

```css
    text-decoration: none;

    outline: none;

    color: #fff;

    background-color: #5e81cc;

    border: none;

    border-radius: 12px;
}
.details
{

    width: 80%;

    padding: 10px 16px;

    font-size: 16px;

    color: #222;

    border: none;

    background-color: #fcecef;

    border-radius: 16px;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);

    outline: none;
}
ul{

    margin: auto;

    margin-top: 16px;

    margin-bottom: 16px;

    width: 80%;
```

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FET Practical 16
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```css
    padding: 10px 16px;

    font-size: 18px;

    font-weight: bolder;

    color: #222;

    border: none;

    color: #313744;

    background-color: #d18677;

    border-radius: 16px;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);

    outline: none;

}
```

TS (prac16.component.ts) :

```typescript
import { Component } from '@angular/core';

import { Emply } from '../employee';

import { EmployeeService } from '../employee.service';


@Component({

 selector: 'app-prac16',

 templateUrl: './prac16.component.html',

 styleUrls: ['./prac16.component.css']

})

export class Prac16Component {

employees: Emply[] = [];
```

```typescript
constructor(private es: EmployeeService) {  }



getdetails()
{
    this.employees = this.es.getEmployees();
}
}
```

TS (employee.ts) :

```typescript
export class Emply{
    id!: number;
    name!: string;
    salary!: number;
    department!: string;
    contact!: number;
}
```

TS(employee.service.ts) :

```typescript
import { Injectable } from '@angular/core';
import { Emply } from './employee';



@Injectable({
```

```typescript
  providedIn: 'root'
})
export class EmployeeService {

  empls: Emply[] =
  [
    {
      id: 1,
      name: 'Yash',
      salary: 64321616,
      department: 'CEO',
      contact: 6351573711
    },
    {
      id: 2,
      name: 'Prarthi',
      salary: 50000,
      department: 'HR',
      contact: 9033304012
    },
    {
      id: 3,
      name: 'Dhruvi',
      salary: 30000,
```

```
      department: 'IT',

      contact: 7575877079

   },

   {

      id: 4,

      name: 'Steve',

      salary: 4000,

      department: 'Cleaning',

      contact: 1234567890

   },

   {

      id: 5,

      name: 'Jane',

      salary: 15000,

      department: 'IT',

      contact: 9876543210

   }

];


getEmployees()

{

  return this.empls;

}

}
```

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Output :