**What is a Service?**

* Classes that can send functionality and data across multiple components
* Keeps Components lean
* **DRY** : Don’t Repeat Yourself
* Ideal place for Ajax calls using the Http module

**Steps to create a Service**

* Create a new file **/services/my-service.service.ts**
* Import **@Injectable** and create class
* Add as a provider to **@ngModule**
* Call from component(s)

**Service Class Example**

import { Injectable } from ‘@angular/core’;

import { User } from ‘./user’;

import { USERS } from ‘./mock-users’;

@Injectable()

export class UserService {

getUsers() : User[] { return USERS; }

}

**Generating Services with Angular-CLI**

* $ ng g service services/my-service
* Creates a service file and class
* You need to add as a provider manually to app.module.ts and import the same in it
* Need to also import the required service into the related components where it need to be used and also inserted in the constructor function of the same file as dependency 



**Note:** Components are added to the declarations, Modules to the imports and Services to the providers in app.module.ts file