

## Services & dependency injection

Create logging.service.ts

```
Export Loggingservice{  
  logStatusChange(status : string){  
    console.log(status);  
  }  
}
```

//NOT A GOOD PRACTICE TO IMPORT SERVICE LIKE THIS

In app.component.ts

```
Import {LoggingService} from '../logging.service';  
Const Service = new LoggingService()  
service.logStatusChange(accountStatus);
```

## Angular has built in dependency injections

```
@providers:[LoggingService]
```

```
constructor (private loggingService : LoggingService){}
```

**loggingService=>this can be anything just a var name**

**LoggingService=> this is not optional , it is the type which is the actual service name**

//We can access this loggingService property anywhere in this component

**this. loggingService .logStatusChange(accountStatus)**

### **In app.comp.ts**

**=> we have**

```
Accounts ={name:"1",status:"active"}
```

### **Create a new account.service.ts**

```
//Copy Accounts ={name:"1",status:"active"} From app.comp.ts
```

```
Export class AccountService
```

```
{
```

```
Accounts ={name:"1",status:"active"}
```

```
addAccount(name:string , status:string)
```

```
{
```

```
    this.accounts.push(newAccount);
```

```
}
```

```
updateStatus(id:number , status:string)
```

```
{
```

```
    this.accounts[updateInfo.id].status=updateInfo.newStatus;
```

```
}}
```

### **// Call the service in app.comp.ts**

```
export class AppComponent implements OnInit{
```

```
    accounts:{name:string,status:string}[]=[];
```

```
constructor (private AccountService : AccountService){
```

```
ngOnInit(){
```

```
this.accounts=this. AccountService.accounts;
```

```
}
```

Using Injectable => Instead of importing logging service in app.comp.ts

### **App.module.ts**

```
Import loggingService from './logging.service';
```

```
providers:[AccountService,LoggingService]
```

```
constructor (private loggingService : LoggingService){}
```

```
this. loggingService .logStatusChange(accountStatus)
```

### **Account.service.ts**

```
Import {Injectable} from 'angular/core';
```

```
@Injectable()
```

```
Export class AccountService{}
```