

app.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { FormsModule } from '@angular/forms';

import { AppComponent } from './app.component';
import { AppareilComponent } from './appareil/appareil.component';
import { AppareilService } from './services/appareil.service';

@NgModule({
  declarations: [
    AppComponent,
    AppareilComponent
  ],
  imports: [
    BrowserModule,
    FormsModule
  ],
  providers: [
    AppareilService
  ],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

app.component.ts

```
import { Component, OnInit } from '@angular/core';
import { AppareilService } from '../services/appareil.service';
```

```
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.scss']
})
export class AppComponent implements OnInit {
```

```
  appareils: any[];
```

```
  constructor(private appareilService : AppareilService){
```

```
  }
```

```
  ngOnInit(){
```

```
    // fct exc lors de la creation du component par angular
```

```
    // apres l exec du constructor
```

```
    this.appareils = this.appareilService.appareils;
```

```
    //console.log(this.appareils);
```

```
  }
```

```
  onAllumer(){
```

```
    this.appareilService.switchAllOn();
```

```
  }
```

```
}
```

services/appareil.service.ts

```
export class AppareilService{
  appareils=[
    {
      name:'Machine a laver',
      status:'allume'
    },
    {
      name:'Ordinateur',
      status:'allume'
    },
    {
      name:'Television',
      status:'eteint'
    },
  ];
  switchAllOn(){
    for(let appareil of this.appareils){
      appareil.status='allume';
    }
  }
  //switchOfOne(index:number){}
}
```

app.component.html

```
<div class="container">
  <div class="row">
    <div class="col-xs-12">

      <h2>Les Appareils 2</h2>
      <ul class="list-group">
        <app-appareil
          *ngFor="let appareil of appareils"
          [appareilName]="appareil.name"
          [appareilStatus]="appareil.status"
        ></app-appareil>

      </ul>

      <button class="btn btn-success" (click)="onAllumer()">
        ALL ON
      </button>

    </div>
  </div>
</div>
```

appareil.component.ts

```
import { Component, Input, OnInit } from '@angular/core';
```

```
@Component({  
  selector: 'app-appareil',  
  templateUrl: './appareil.component.html',  
  styleUrls: ['./appareil.component.scss']  
})  
export class AppareilComponent implements OnInit {  
  
  @Input() appareilName : string;  
  @Input() appareilStatus : string;  
  
  constructor() {  
  
  }  
  
  ngOnInit() {  
  }  
  
}
```

appareil.component.html

```
<li class="list-group-item">  
  <h4>Appareil : {{ appareilName}} -- Status :{{ appareilStatus}}</h4>  
</li>
```