

# ANGULAR CHEAT SHEET

One framework. Mobile & desktop.



## BOOTSTRAPPING

Bootstraps the app, using the root component from the specified **NgModule**.

```
import { platformBrowserDynamic }
  from '@angular/platform-browser-dynamic';

platformBrowserDynamic()
  .bootstrapModule(AppModule);
```

## NGMODULE

Defines a **module** that contains components, directives, pipes, and providers.

```
import { NgModule } from '@angular/core';

@NgModule({
  declarations: [
    myRootComponent,
    myComponent,
    myDirective,
    myPipe],
  imports: [myModule, npmModule],
  exports: [myComponent],
  providers: [myService],
  bootstrap: [myRootComponent] // Only root
  module
})
class MyModule {}
```

Parameter	Function
<b>declarations</b>	Components to this module
<b>imports</b>	Modules to import into this module
<b>exports</b>	Components visible to another module
<b>providers</b>	Dependency injection providers
<b>bootstrap</b>	The root component of module

The **pipes** and **directive** is declared as **components**

## CLASS TYPE

### Component

```
@Component({
  selector: 'app-my',
  templateUrl: './my.component.html',
  styleUrls: ['./my.component.css']
})
class MyComponent() {}
```

### Directive

```
@Directive({
  selector: 'app-my',
  templateUrl: './my.directive.html',
  styleUrls: ['./my.directive.css']
})
class MyDirective() {}
```

### Pipe

```
@Pipe({name: 'myPipe'})
class MyPipe() {}
```

### Provider

```
@Injectable()
class MyService() {}
```

Add `{providedIn: root}` option **for create singleton**



## TEMPLATE SYNTAX

Data direction	Syntax
DataSource => Target	{{ <i>expression</i> }}
DataSource => Target	[target]=" <i>expression</i> "
DataSource => Target	bind-target=" <i>expression</i> "
Target => DataSource	(target)="statement"
Target => DataSource	on-target="statement"
Two-way	[(target)]="expression"
Two-way	bindon-target="expression"

### ngIf

```
<span *ngIf="hero">{{ hero.name }} exists !</span>
```

### ngFor

```
<span *ngFor="let hero of heroes; let i=index">{{ hero.name }} is at index {{ i }}</span>
```

### ngSwitch

```
<div [ngSwitch]="hero.class">
  <span *ngSwitchCase="'knight'">You are strong</span>
  <span *ngSwitchCase="'mage'">You are intelligent</span>
  <span *ngSwitchDefault>You are special</span>
</div>
```

## OBSERVABLE

## SOURCES

**Angular module:** <http://www.learn-angular.fr/les-modules-angular/>

**Template syntax:** <https://angular.io/guide/template-syntax>