ANGULAR
CHEAT SHEET

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LIFECYCLE HOOKS

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OnInit

```
export class Component implements OnInit {
    ngOnInit() {}
}
```

OnChanges

```
export class Component implements OnChanges {
    ngOnChanges() {}
}
```

AfterViewInit

```
export class Component implements AfterViewInit {
    ngAfterViewInit() {}
}
```

OnDestroy

```
export class Component implements OnDestroy {
    ngOnDestroy() {}
}
```

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DATA BINDING

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One Way Binding

```
<p>{{ name }}</p>
```

Property Binding

```
<input [value]="name" />
```

Attribute Binding

```
<button [attr.aria-label]="OK">OK</button>
```

Two Way Binding

```
<input [(ngModel)]="name"/>
```

Event Binding

```
<input [value]="name"
      (input)="name = $event.target.value" />
```

STRUCTURAL DIRECTIVES

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*ngIf

```
<p *ngIf="expression; else notExpression">
  Expression is true
</p>
<ng-template #notExpression>
  <p>
    Expression is false
  </p>
</ng-template>
```

*ngFor

```
<ul>
    <li *ngFor="let element of array"></li>
</ul>
```

*ngSwitchCase

```
<ng-container [ngSwitch]="switch_expression">
    <p *ngSwitchCase="match_expression_1"> 1 </p>
    <p *ngSwitchCase="match_expression_2"> 2 </p>
    <p *ngSwitchDefault> default </p>
</ng-container>
```

STYLING

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ngStyle

```
<p [ngStyle]="{'color': 'blue'}">...</p>
```

ngClass

```
<p [ngClass]=" 'first second' ">...</p>

<p [ngClass]="['first', 'second']">...</p>

<p [ngClass]="{'first': true, 'second': false}">...</p>

<p [ngClass]="stringExp|arrayExp|objExp">...</p>

<p [ngClass]="{'class1 class2 class3' : true}">...</p>
```

CLASS FIELD DECORATORS

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Input

```
@Input() myProperty;
```

Output

```
@Output() myEvent = new EventEmitter();
```

Host Binding

```
@HostBinding('class.error') hasError;
```

Host Listener

```
@HostListener('click', ['$event']) onClick(e) {...}
```

Content Child

```
@ContentChild(myPredicate) myChildComponent;
```

Content Children

```
@ContentChildren(myPredicate) myChildComponents;
```

View Child

```
@ViewChild(myPredicate) myChildComponent;
```

View Children

```
@ViewChildren(myPredicate) myChildComponents;
```

PIPES

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Lowercase

```
<p> {{name | lowercase}}</p>
```

Uppercase

```
<p> {{name | uppercase}}</p>
```

Date

```
<p> {{ today | date: 'medium'}}</p>
```

Date Format

```
<p> {{ today | date: 'y-MM-d'}}</p>
```

Currency

```
<p> {{ 3.5 | currency: '€'}}</p>
```

Percent

```
<p> {{ 0.5 | percent: '1.2'}}</p>
```

Number

```
<p> {{ 0.5 | number: '1.2'}}</p>
```

ROUTING

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Router Outlet

```
<router-outlet name="aux"></router-outlet>
```

Router Link

```
<a routerLink="/path">

<a [routerLink]="[ '/path', routeParam ]">

<a [routerLink]="[ '/path',
     { matrixParam: 'value' } ]">

<a [routerLink]="[ '/path' ]"
    [queryParams]="{ page: 1 }">

<a [routerLink]="[ '/path' ]"
    fragment="anchor">
```