

ANGULAR 2

PIPES





USING PIPES

```
import {Component} from 'angular2/core'

@Component({
    selector: 'hero-birthday',
    template: `The hero's birthday is
        {{ birthday | date: 'dd.MM.yyyy' }}`
})

export class HeroBirthday {
    birthday = new Date(1988,3,15); // April 15, 1988
}
```



CHAINING PIPES

```
import {Component} from 'angular2/core'

@Component({
    selector: 'hero-birthday',
    template: `The hero's birthday is
        {{ birthday | date: 'dd.MM.yyyy' | uppercase }}`
})

export class HeroBirthday {
    birthday = new Date(1988,3,15); // APRIL 15, 1988
}
```



DEFINE CUSTOM PIPE

```
import { Pipe, PipeTransform } from '@angular/core';
  /* Raise the value exponentially
   * Takes an exponent argument that defaults to 1.
   * Usage:
   * value | exponentialStrength:exponent
   * Example: {{ 2 | exponentialStrength:10}} formats to: 1024 */
   @Pipe({name: 'exponentialStrength'})
   export class ExponentialStrengthPipe
    implements PipeTransform {
    transform(value: number, exponent: string): number {
     let exp = parseFloat(exponent);
     return Math.pow(value, isNaN(exp)? 1 : exp);
```



USE CUSTOM PIPE

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

@Component({
    selector: 'power-booster',
    template: `
    <h2>Power Booster</h2>

    Super power boost: {{2 | exponentialStrength: 10}}
    `
})
export class PowerBooster { }
```



USE ASYNC PIPE

```
import {Component} from '@angular/core';
// Initial view: "Message: "
// After 500ms: Message: You are my Hero!"
@Component({
  selector: 'hero-message',
  template: `Message: {{delayedMessage | async}}`,
})
export class HeroAsyncMessageComponent {
       myObj = \{a:10,b:20\}
  arr = [1,2,3,4,5]
  delayedMessage:Promise<string> =
        new Promise((resolve, reject) => {
          setTimeout(() => resolve('You are my Hero!'), 500);
        });
```

