What is Pipe

* It takes a data as input and transforms it to a desired output.

Built in Pipes

* Lowercase
* Uppercase
* Date

template:`<h4>{{name}}</h4>

<h4> {{name | uppercase}}</h4>

<h4> {{name | lowercase}}</h4>

Parameterizing Pipe

* Pipe can accept any no of optional parameter to fine tune its output.
* We can add parameter using : sign
* Pipe accepts multiple parameter

For ex

<h4>{{name | slice :'2' : '4' }}</h4>

<h4> {{ name | replace:'Swapnil':'nivedita'}}</h4>

<h4>{{8.567}}</h4>

<h4>{{8.567| number : '1.2-3'}}</h4>

<h4>{{8.567| number : '2.2-3'}}</h4>

<h4>{{8.567| number : '2.4-4'}}</h4>

<h4>{{8.567| number : '2.2-2'}}</h4>

<h4>{{8.567| currency : 'GBP' :true}}</h4>

<h4>{{8.567| currency : 'USD' :true}}</h4>

<h4> {{date}}</h4>

<h4> {{date | date:'fullDate'}}</h4>

<h4> {{date | date:'shortDate'}}</h4>

<h4> {{date | date:'shortTime'}}</h4>

Chaining Pipes

* We can chain pipes in useful combinations.

The chained hero's birthday is

{{ birthday | date | uppercase}}

The chained hero's birthday is

{{ birthday | date:'fullDate' | uppercase}}

Custom Pipe

* A pipe is a class decorated with a pipe metadata
* It implements the PipeTransform interface
* Transform method accepts input value followed by an optional parameter and returns transformed value.

Async pipe

* Async pipe accepts promise or observavle input and subscribes to the input automatically and eventually returns the emitted value.
* This pipe maintains a subscription to the input observable and keeps delivering values from that.