

Pipes In Angular

What are Pipes?

Pipes are a feature built into Angular 2 which allows you to transform output in your template

Eg. You have a property `username = 'deepa'`
you want to output `username` in your template
using string interpolation

like `<p> {{username}} </p>`

Now you want your name to be in Upper Case
only in output on template

You don't wanna change property in your ts
you want to transform the way it is displayed
on screen

For this you could simply use uppercase pipe
which is a built-in pipe

Like this `<p> {{username | uppercase}} </p>`

Now Output → DEEPA

Parametrizing Pipes

Suppose you have date in a format
8 April, 2022

You don't want this format, you want to customize it

You can do it using parametrized pipes

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ts file

students = [

{ name: 'deepa',

class: '10',

dob: new Date(14, 12, 1999)

]

Now In html

<p> {{ students.dob }} </p>

<p> {{ students.dob | date: 'fullDate' }} </p>

You can refer angular.io to know more about built in pipes

Chaining Multiple Pipes

```
<p> {{ students | date : 'FullDate' | Uppercase }}</p>
```

Here order in which we write pipe matters because it iterates from left to right

- * first FullDate pipe will apply
- * on the result Uppercase will apply

Creating a Custom Pipe.

- * create ts file shortenPipe.ts (you can use any name instead of shorten)
- * your pipe.ts should look like this

```
Imp. import { Pipe, PipeTransform } from 'angular/core';
R
@Pipe({ name : "myPipe" })
Interface it
* compulsory Export class MyPipe implements PipeTransform {
  method
  in which
  all operation
  happens
    transform ( value : any ) {
      return value;
    }
}
In html → <p> {{ students.name | myPipe }}</p>
```