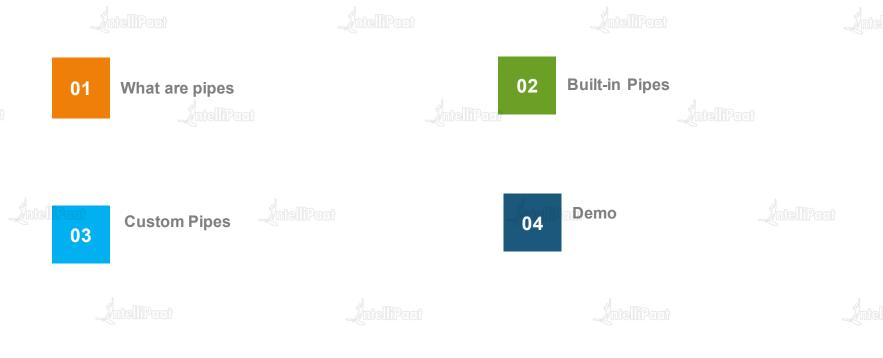




Agenda



Pipes





What are Pipes

ntelliPaat

- Pipes are used to transform data before it gets displayed in a template.
- Angular provides some built-in pipes. The pipes are listed below –
- 1. Lowercasepipe
- 2. Uppercasepipe
- 3. Datepipe
- 4. Currencypipe
- 5. Jsonpipe
- 6. Percentpipe
- 7. Decimalpipe
- 8. Slicepipe

Currency Pipe



- This pipe is used for formatting currencies. Its first argument is an abbreviation of the currency type (e.g. "EUR", "USD", and so on), like so:
- {{ 1234.56 | currency:'GBP' }}
 The above prints out £1,234.56.
- If we want to print the currency code then as a second parameter pass code keyword, like so:
- {{ 1234.56 | currency:'GBP':'code' }}
 The above prints out GBP1,234.56.

JSON Pipe



This transforms a JavaScript object into a JSON string, like so:

```
var obj= { moo: 'foo', goo: { too: 'new' }}

{{ obj | json}}

The above prints out { "moo": "foo", "goo": { "too": "new" }}.
```

Lowercase and Uppercase



Pipes transforms a string to lowercase, like so:

```
{{ Intellipaat | lowercase }}
```

The above prints out intellipaat

This transforms a string to uppercase, like so:

```
{{ Intellipaat | uppercase }}
```

The above prints out INTELLIPAAT

• This transforms first letter of every word to uppercase, like so:

```
{{ welcome to intellipaat | titlecase }}
```

The above prints out Welcome To Intellipaat

Slice Pipe



- This returns a slice of an array. The first argument is the start index of the slice and the second argument is the end index.
- var str= "Welcome to Intellipaat"
- {{str | slice:2:5 }}

The above prints out "lco"

number Pipe



This pipe is used for the transformation of numbers.

• {{ 5.678 | number: '1.2-3' }} // 3 is for main integer, 2-3 are for decimals to be displayed.

The above prints out 5.678

• {{ 5.678 | number: '3.2-4' }} // 3 is for main integer, 2-4 are for decimals to be displayed.

The above prints out 005.6780

• {{ 5.678 | number: '3.1-2' }} // 3 is for main integer,1-2 are for decimals to be displayed. The above prints out 005.68

percent Pipe



This pipe is used for the transformation of numbers into percentage.

• {{ .25 | percent}}

The above prints out 25%

• {{ .25678| precent: '3.2-2' }}

The above prints out 025.68%

date Pipe



This pipe is used for the transformation of dates. The first argument is a format string, like so:

- {{myDate | date}} // Jan 2, 2019
- {{myDate | date: 'fullDate'}} // Wednesday, January 2, 2019
- {{myDate | date:'short'}} // 1/2/19, 1:08 PM
- _{{myDate | date:'shortDate'}} // 1/2/19
- {{myDate | date:'shortTime'}} // 1:02 PM
- {{myDate | date:'dd/MM/yyyy'}} //02/01/2019

Custom Pipes Demo1



How to create custom pipes? You need to create a .ts file import {Pipe, PipeTransform} from '@angular/core'; @Pipe ({ name : 'sqrt' } export class SqrtPipe implements PipeTransform

{ transform(val : number) : number

{ return Math.sqrt(val); }

How to use it?

<h1>Custom Pipe</h1> Square root of 25 is: {{25 sqrt}}

Output will be:

Square root of 25 is: 5

Custom Pipes Demo2



```
import {Pipe, PipeTransform} from '@angular/core';
@Pipe (
{ name : 'defaultImage'})
export class DefaultImagePipe implements
PipeTransform
{transform(value: string, fallback: string): string
   let image = "";
 if (value) { image = value;
          image = fallback;
                                  return image; }}
else {
```

How to use it?

Output will be:

If ImageUrl is null we will get default image else imageUrl will be displayed.











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24X7 Chat with our Course Advisor