PIPEs in angular

There are two types of pipes are available with angular

1. **Inbuilt pipes**
2. **Custom Pipes**

**Inbuilt-pipes**

Prepare new app

>**ng new myapp1**

Prepare new component

>**ng g c pipe-demo**

**Goto>pipe-demo.compponent.ts** file and copy the selector tag and add to

**App.component.html** to get the view

Open **pipe-demo.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

  selector: 'app-pipedemo',

  templateUrl: './pipedemo.component.html',

  styleUrls: ['./pipedemo.component.css']

})

export class PipedemoComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  name:string="My Name is Nikunj And i am A JAVA FSD Trainer";

  pi:number=3.1415927;

  a=0.12345;

  b=9876.5432;

  today=new Date();

  object={name:"nikunj",email:"nikunj@gmail.com",address:"mumbai"};

}

**Goto>pipe-demo.component.html**

<h1>Pipedemo works</h1>

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<h2>Inbuilt-Pipedemo</h2>

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

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

<h1>Number Pipes</h1>

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<p>pi: {{pi | number :'5.5-5'}}</p>

<p>pi: {{pi | number :'.3-3'}}</p>

<p>pi: {{pi | number :'.10-10'}}</p>

<h1> Currency Pipes</h1>

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<p>{{ a | currency : 'USD':true:'3.3-3'}}</p>

<p>{{ a | currency : 'EURO':false}}</p>

<p>{{ a | currency : 'INR':true:'5.4-4'}}</p>

<h1> Date Pipes </h1>

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<p>Today is {{today}}</p>

<p>Today is {{today | date}}</p>

<p>Today is {{today | date:'dd/MM/yyyy'}}</p>

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<h1>Without JSON Pipe {{object}}</h1>

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<h1>With JSON Pipe {{object | json}}</h1>

CUSTOM PIPES

Goto>pipe-demo.component.ts and add the below code

import { Component, OnInit } from '@angular/core';

@Component({

  selector: 'app-pipedemo',

  templateUrl: './pipedemo.component.html',

  styleUrls: ['./pipedemo.component.css']

})

export class PipedemoComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  name:string="My Name is Nikunj And i am A JAVA FSD Trainer";

  pi:number=3.1415927;

  a=0.12345;

  b=9876.5432;

  today=new Date();

  object={name:"nikunj",email:"nikunj@gmail.com",address:"mumbai"};

  cust:string="Welcome to the World of Custom Pipes"

}

**Prepare new file named ‘custompipe.ts’**

import { Pipe, PipeTransform } from "@angular/core";

@Pipe({name:'changeString'})

export class CustomPipe implements PipeTransform

{

    transform(value:string, character:string)

    {

        return value.split(character).join("-")

    }

}

Register **custompipes** in **app.module.ts**

**Goto >app.module.ts**

import { NgModule } from '@angular/core';

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { CustomPipe } from './custompipe';

import { PipedemoComponent } from './pipedemo/pipedemo.component';

@NgModule({

  declarations: [

    AppComponent,

    PipedemoComponent,

    CustomPipe

  ],

  imports: [

    BrowserModule,

    AppRoutingModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**goto >pipe-demo.component.html**

<h1>Custom Pipe Demo</h1>

<p>{{cust | changeString:' ' }}</p>

**Save and check the output**