Components

🡪component is a basic buliding block of angular

🡪it is a combination of Html,Css,Ts,Spec file

🡪it can take input from the user and show output to user with the help of webpage(html)

App component(parent component)

Html,

Css ,

Ts,

Spect(those are childs components)

It is nothing but simple typescript class, where we can create your own methods and properties as per our requriments which is used to bind with UI/Htmlpage/view

We can create a component as

ng generate component <component-name>

or

ng g c componentname

1. Why we use component?

🡪 It is a special kind of a director that uses a simpler configuration which is suitable for component based applications structure

🡪 this makes easier to write an app in a way that’s similar to using web applications

1. Where we use component?

🡪 from **the** root of **the** application **component** tree through all child **components**

🡪 Data binding plays an important role in communication between a template and its **component**

🡪 it is also important for communication between parent and child **components**

1. How we use component?

Every **component in angular** can have any number of,

So called inputs & outputs

Pipes:

🡪**Pipes** are a useful feature in **Angular**

**🡪** They are a simple way to transform values in an

Angular template

🡪 A **pipe** takes in a value or values and then returns

A values

* It is mainly used for simply transforming data and it is also used in unique ways
* Pipes are mainly 3 types
* 1.purepipes
* 2.impurepipes
* 3.custompipes

1.pupepipes:

🡪A **pure pipe** will cache the results of the previous value or inputs

🡪 **pure pipe** can bind the output from a cache without revaluating if the input doesn't change

🡪 A single instance of the **pure pipe** is used all over the components

🡪input parameter value determine the output so if input parameter don’t change output parameter doesnot change

🡪can be shared across many usages without affecting many results

2. Impurepipes:

🡪can’t use the input values output values will change

🡪cannot be shared because internal state can be affected by outside

3.custom pipes:

🡪 we(user) can create those pipes

🡪The general way to define a **custom pipe** is as follows 🡪import { **Pipe**, PipeTransform } from '@angular/core'; 🡪@**Pipe**({name: 'Pipename'})

🡪export class Pipeclass implements PipeTransform

{

transform(parameters): returntype { }

}

To create pipe command

ng g p Mypipe