Filter :

Built in pipes :

Uppercase :

Date

Date : ‘short’ , date : ‘shortDate’ , date : ‘y-m-d’ , date : ‘y/m/d’

**Currency :**

100 | currency , | currency : ‘USD’ ,

The amount is {{amount | currency : 'IND' : true}}

**Custom pipe :**

Create duration.pipe.ts

First create the pipe :

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

export class Pankajpipe implements PipeTransform{

transform(value : any){

return value.substring(0,10);

}

}

Note : Include this file to app. Module.ts in the **declarations[]** array.

Q1)Create a filter so that when applied it shows only 5 characters rest will be ….

Like :

Prabhu padam swain will be : **Prabh..**

**Note :** Check for more then 10 characters.

Q2)Create a filter so that when appliend to any number finds double of it.

**Parametrizing the custome pipe.**

Q3) Create a filter so that when applied to any number finds specific power of it.

Hint ..

amount will be {{amount | double : 4}}

transform(value : number,pow : number){

return (value\*pow);

}

**Creating filter pipe :**

**Creating pipe through the ng command : ng g p abc**

Q4)Create a filter for searching in the

Create an product array.Then apply filter

**Hint ..**

private products : any[] = [

{id : 1 , name : 'Apple',cost : 100,status : 'yes'},

{id : 2 , name : 'Banana',cost : 150,status : 'yes'},

{id : 3 , name : 'Pineapple',cost : 200,status : 'no'}

];

transform(products : any,filterString:string){

if(products.length===0){

return products;

}

const productsArray = [];

for(const product of products){

if(product.status === filterString){

productsArray.push(product);

}

}

return productsArray;

}

<p>

<input [(ngModel)]="key">{{key}}

</p>

<div>

<ul>

<li \*ngFor="let product of products | pankaj : key">

{{product.id}} | {{product.name}} | {{product.cost}} | {{product.status}}

</li>

</ul>

</div>

**Pure and impure filter :**

@Pipe({name : 'pankaj',

**pure : false**

})

So that when new product is added the list shows immediately.

The data gets recalculated when the data gets changes.

**Asynchronous pipe**