## String interpolation

{{imgURL}}

<img width="300" alt="Angular Logo" src="{{imgURL}}">

## Property Binding

[src]="imgURL"

<img width="300" alt="Angular Logo" [src]="imgURL" >

## Attribute Binding

Some attribute will not have one to one binding with DOM. In that case angular will throw error.

<td [attr.colspan]="colSpan"></td>

## Class Binding

[class.active]="isActive"

<button class="btn btn-primary " [class.active]="isActive" >Save</button>

## Style Binding

HTML DOM Style Object: <https://www.w3schools.com/jsref/dom_obj_style.asp>

[style.backgroundColor]=" isActive ? 'blue' : 'red' "

<button [style.backgroundColor]=" isActive ? 'blue' : 'red' " >Save</button>

## Event Binding

(click)="onSave()"

(click)="onSave($event)"

onSave($event)

## Event bubbling:

$event.stopPropagation();

<div (click)="onDivClicked()">

<button (click)="onSave($event)" >Save</button>

</div>

onSave($event){

$event.stopPropagation();

this.isActive = !this.isActive;

console.log($event);

}

onDivClicked(){

console.log("Div clicked");

}

## Event Filtering

<input (keyup.enter)="onKeyUp()">

<input (keyup.enter)="onKeyUp($event)">

onKeyUp($event){

console.log("enter clicked: " + $event.target.value);

}

## Template Variable

<input #email (keyup.enter)="onKeyUp1(email.value)">

## Two-way binding

In app.module

import { FormsModule } from'@angular/forms';

imports: [ FormsModule,

<input [(ngModel)]="Title" (keyup.enter)="onKeyUp4()">

onKeyUp4(){

console.log("email: " + this.Title);

}

## Pipes

To format data

{{Title | uppercase | lowercase}}

{{Salary | number}}

Adds coma like 2,000

{{Rating | number:'1.2-2'}}

No of digits before dot(adds 0 before) . min number of digits after dot – max number of digits after dot

{{1.1234 | number:'3.2-2'}} => 001.12

1.234

{{price | currency:'INR'}}

{{price | currency:'INR':false:'3.2-2'}}

False > show current symbol or not

{{DOB | date:'shortDate'}}

<https://angular.io/api/common/DatePipe>

* 'short': equivalent to 'M/d/yy, h:mm [a](https://angular.io/api/router/RouterLinkWithHref)' (6/15/15, 9:03 AM).
* 'medium': equivalent to 'MMM d, y, h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref)' (Jun 15, 2015, 9:03:01 AM).
* 'long': equivalent to 'MMMM d, y, h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref) z' (June 15, 2015 at 9:03:01 AM GMT+1).
* '[full](https://angular.io/api/core/Version#full)': equivalent to 'EEEE, MMMM d, y, h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref) zzzz' ([Monday](https://angular.io/api/common/WeekDay#Monday), June 15, 2015 at 9:03:01 AM GMT+01:00).
* 'shortDate': equivalent to 'M/d/yy' (6/15/15).
* 'mediumDate': equivalent to 'MMM d, y' (Jun 15, 2015).
* 'longDate': equivalent to 'MMMM d, y' (June 15, 2015).
* 'fullDate': equivalent to 'EEEE, MMMM d, y' ([Monday](https://angular.io/api/common/WeekDay#Monday), June 15, 2015).
* 'shortTime': equivalent to 'h:mm [a](https://angular.io/api/router/RouterLinkWithHref)' (9:03 AM).
* 'mediumTime': equivalent to 'h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref)' (9:03:01 AM).
* 'longTime': equivalent to 'h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref) z' (9:03:01 AM GMT+1).
* 'fullTime': equivalent to 'h:mm:ss [a](https://angular.io/api/router/RouterLinkWithHref) zzzz' (9:03:01 AM GMT+01:00).

## Custom Pipe

* Add ts file => app\summary.pipes.ts
* <https://angular.io/api/core/PipeTransform>

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

@Pipe({name: 'summary'})

export class SummaryPipe implements PipeTransform {

transform(value: string, limit?:number, endsWith?:string): string {

if(!value){

return null;

}

if(!limit){

limit=50;

}

if(!endsWith){

endsWith = "...";

}

return value.substring(0, 50) + " " + endsWith;

}

}

* In app.module.ts

import { SummaryPipe } from './summary.pipes';

declarations: [ SummaryPipe,

In HTML template

{{Summary | summary:10:'\*\*\*'}}

## Adding Bootstrap

npm install bootstrap –save

Note: --save will add an entry in package.json. That add as a dependency.

In style.css

@import "~bootstrap/dist/css/bootstrap.css";