**Lesson06 Angular interpolation**

**Notes:-**

**1-Interpolation is all about data binding. In Angular data-binding can be broadly classified into 3 categories**

|  |  |
| --- | --- |
| **Data Binding** | **Description** |
| One way data-binding | From Component to View Template |
| One way data-binding | From View Template to Component |
| Two way data-binding | From Component to View Template & From View template to Component |

**1-One way data-binding (From Component to View Template):-**

**To display read-only data on a view template we use one-way data binding technique interpolation. With interpolation, we place the component property name in the view template, enclosed in double curly braces: {{propertyName}}.**

//we can make variable that detect the path of image and use it as src

<img src="{{img}}"/>

//we can make operation of addition

{{10+20+30}}

//we can use if statement of the property

<h1>{{firstName ? firstName: "No First Name"}}</h1>

<table>

//we can make binding of the property

<tr>

<td>First Name</td>

<td>{{firstName}}</td>

</tr>

<tr>

<td>Last Name</td>

<td>{{lastName}}</td>

</tr>

//we can use function getFirstName()

<tr>

<td>Full Name</td>

<td>{{getFirstName()}}</td>

</tr>

<tr>

<td>Gender</td>

<td>{{gender}}</td>

</tr>

<tr>

<td>Age</td>

<td>{{age}}</td>

</tr>

</table>

**On the code behind we can declare property**

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

@Component({

selector: 'app-employee',

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

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

})

export class EmployeeComponent implements OnInit {

firstName:string;

lastName:string;

gender:string;

age:number;

img:string;

constructor() {

this.firstName = 'Tom';

this.lastName = 'Hopkins';

this.gender = 'Male';

this.age = 20;

this.img = '../../favicon.ico';

}

ngOnInit() {

}

//we can invoke the method and bind it in the view

getFirstName():string

{

return this.firstName + " "+this.lastName;

}

}