**Lesson07 Working with Variables on the Angular 4**

**Notes:-**

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

@Component({

selector: 'app-my-component',

templateUrl: './my-component.component.html',

styleUrls: ['./my-component.component.css']

})

export class MyComponentComponent implements OnInit {

Fname:string;

Lname:string;

Age:number;

employee = {fname:"",lname:"",age:0}

//we see the constructor execute on the first event

constructor()

{

this.Fname = "Mohammed";

this.Lname = "Ali";

this.Age = 25;

this.employee.fname = "Osama";

this.employee.lname = "Fuwzi";

this.employee.age = 26;

}

//we see that the ngOnInit() execute after the constructor()

ngOnInit() {

this.Fname = "Mohammed1";

}

}

//This is the way to use the variable inside the html page

<h1>

Welcome {{Fname}} {{Lname}}

The Employees Wroks under you are :-

{{employee.fname}} {{employee.lname}} , {{employee.age}}

</h1>

**Lesson08 working with functions**

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

@Component({

selector: 'app-my-component',

templateUrl: './my-component.component.html',

styleUrls: ['./my-component.component.css']

})

export class MyComponentComponent implements OnInit {

//it's better to use explicit definition of the variable data type

Fname:string;

Lname:string;

Age:number;

employee = {fname:"",lname:"",age:0}

//we see the constructor execute on the first event

constructor()

{

this.Fname = "Mohammed";

this.Lname = "Ali";

this.ChnageAge();

this.employee.fname = "Osama";

this.employee.lname = "Fuwzi";

this.employee.age = 26;

}

//we see that the ngOnInit() execute after the constructor()

ngOnInit() {

this.Fname = "Mohammed1";

}

//we can make function that return number and use it in the html page

ChnageAge():number {

this.Age = 90;

return this.Age;

}

}

//In html Page

<h1>

Welcome {{Fname}} {{Lname}}

The Employees Wroks under you are :-

{{employee.fname}} {{employee.lname}} , {{employee.age}}

</h1>

<p>{{Age+ 50}} </p>

<p>

//we see that we use the function inside the html page

After change {{ChnageAge()}}

</p>

**Data types in Angular 4**

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

@Component({

selector: 'app-my-component',

templateUrl: './my-component.component.html',

styleUrls: ['./my-component.component.css']

})

export class MyComponentComponent implements OnInit {

//it's better to use explicit definition of the variable data type

Fname:string;

Lname:string;

Age:number;

IsEmployeeExist:boolean;

//we can define array of string

Employee:string[];

//we can define array of any (object) that accept any data type

lst:any[];

//if you want to define array of string , number only , you can use tuple

lst2:[string,number];

//we see the constructor execute on the first event

constructor()

{

this.Fname = "Mohammed";

this.Lname = "Ali";

this.IsEmployeeExist = true;

//this is the way to store string[]

this.Employee = ["Mohammed Ali","Isam Ahmed","Osma Fawzi"];

//this is the way to store any[]

this.lst = [1,"Isma",true];

//this is the way to store the [string,number]

this.lst2 = ["Yousef",90];

}

//we see that the ngOnInit() execute after the constructor()

ngOnInit() {

}

}