Angular : 2 to 8

Angular is a open source framework provided by Google company which is use to create SPA (Single Page Application).

index.html demo.html

hyperlink

button

DOM :

index.html

<frameset col="50%,50%">

<frame src="one.html"></frame>

<frame src="two.html"></frame>

</frameset>

Angular CLI :

node --version

npm --version (node package manager)

npm install -g typescript

ng (next generation).

npm install -g @angular/cli

create angular projects

ng new demo-app :This command is use to create newproject

cd demo-app

ng serve or npm start

open browser

http://localhost:4200

app.component.html template page

app.component.ts component page or file

a.ts

export class Abc {

}

b.ts

import {Abc} from './a'

class Xyz {

}

Component: It is type of special class provided by Angular which control the template of html page.

or Component is intermediate between template and model.

or Component is a type of directive tags.

directive tags change the behaviour of HTML DOM elements.

app.component.html --->template page

app.component.ts ---->component page

app.component.css ---> stylesheet page

app.module.ts ----> module page

module : it is a collection of classes, functions, variable etc.

String msg ="asfasdfafasdfasdfasdfasdfasfdasfasfasfsafasdfasdfasasdfa"

+"dfasdfasdfaafasdfadfasfdsadffas"

name:string="Welcome"

name:string='Welcome

'

name:string=`Welcome

asfsadfasf

asfsaf

`

**Data binding**

app.component.ts

name:string=”Ravi”;

age:number=21;

fun():void {

this.age = 34;

}

app.component.html

One way data binding using string interpolation

Name is {{name}}

One way data binding using property binding

<input type=”text” value=”Ramesh”/>

<input type=”text” [value]=”name”/>

<input type=”button” value=”Click Here!” (click)=”fun()”/>

Age is {{age}}

Two binding : To achieve two-way binding (view-component or vice-versa) Angular use ngModel attribute. ngModel attribute is a part of FormsModule.

**Angular Forms:**

**Angular provided totally 2 types of forms**

1. **Template Driven Form**
2. **Reactive Form or Model Driven Forms**

**Angular Http Service :**

ng new angular-service

ng g c fake-componnet

ng g s fake-service

ng serve

Angular Routing

Angular routing provided features which help to move from one component to another component using events.

Create components

About-us

Contact-us

Login

Home

Employee-store

Employee-retrieve

Employee (Service) Service

ng g c About

app.component.html

<router-outlet></router-outlet>