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| **=== Joke.Component.ts ===**  **import** { platformBrowserDynamic } from "@angular/platform-browser-dynamic";  **import** { Component, NgModule, Input, Output, EventEmitter, ViewEncapsulation,  SimpleChanges, OnChanges, OnInit , DoCheck,  AfterContentInit, AfterContentChecked, AfterViewInit, AfterViewChecked,  OnDestroy } from "@angular/core";  **import** { **Joke** } from './Joke.model';  @**Component**({  selector: "**joke**",  template: `  <**div** class="card card-block">  <h4 class="card-title" >  <**ng-content** *select*="***.setup***"><**/ng-content**>  </h4>  <p class="card-text" [**hidden**]="**data**.***hide***" >  <**ng-content** *select*="***.punchline***"><**/ng-content**>  </p>  <**a** class="btn btn-primary" (**click**)="**toggle**()" >  Tell Me  </a>  <**/div**> ` })  **export** *class* **JokeComponent** *implements* OnChanges, OnInit, DoCheck,  AfterContentInit,AfterContentChecked,AfterViewInit,AfterViewChecked,OnDestroy {    @**Input**("***joke***") **data**: **Joke**;  **constructor**(){  console.log(`New - data is ${this.**data**}`);  }  **== Joke.model.ts ==**  import { Injectable } from '@angular/core';  @**Injectable**()  **export** *class* **Joke** {       public ***setup***: string;       public ***punchline***: string;       public ***hide***: boolean;  **constructor**(setup: string, punchline: string){          this.***setup*** = setup;          this.***punchline*** = punchline;          this.***hide*** = true;      }    }  **ngOnChanges**(***changes***: SimpleChanges){  console.log(`ngOnChanges - data is ${this.**data**}`);    **for** (let *key* in ***changes***) {  console.log(`${key} changed.  Current: ${changes[key].currentValue}.  Previous: ${changes[key].previousValue}`);  }  }  **ngOnInit**(){  console.log(`ngOnInit - data is ${this.**data**}`);  }  **ngDoCheck**(){  console.log(`ngDoCheck`);  }  **ngAfterContentInit**(){  console.log(`ngAfterContentInit`);  }  **ngAfterContentChecked**(){  console.log(`ngAfterContentChecked`);  }  **ngAfterViewInit**(){  console.log(`ngAfterViewInit`);  }  **ngAfterViewChecked**(){  console.log(`ngAfterViewChecked`);  }  **ngOnDestroy**(){  console.log(`ngOnDestroy`);  }  **toggle**() {  this.**data**.***hide*** = !this.**data**.***hide***;  }  } |
| **=== Joke-list.Component.ts ===**  **import** { Component, OnInit } from '@angular/core';  **import** { **Joke** } from './Joke.model';  @**Component**({  selector: '**joke-list'**,  template: `  <**joke** ***\*ngFor***="let ***j*** of ***jokes***" [***joke***]="***j***" >  <**span** **class**="***setup***" >{{ **j.*setup*** }} ?</span>  <**h1** **class**="***punchline***" >{{ **j**.***punchline*** }}</h1>  <**/joke**>  <**button** type="button" class="btn btn-success"  (***click***)="**addJoke**()" >Add Joke  <**/button**>  <**button** type="button" class="btn btn-danger"  (***click***)="**deleteJoke**()" >Clear Joke  <**/button**> ` })  **export** *class* **JokeListComponent** *implements* OnInit {  **jokes**: **Joke**[] = [];  //jokes = [];  constructor() { }  ngOnInit() { }  **addJoke**(){  this.***jokes***.*unshift*(  new **Joke**("What did the cheese say when it looked in the mirror", "Hello-me (Halloumi)"  )  );  // this.***jokes*** = [{setup:'Hello\_1',punchline:'Today\_1',hide: true},  // // {setup:'hello\_2',punchline:'Today\_2',hide: true}  // ];  }  **deleteJoke**(){  this.***jokes*** = [];  }  } |