**ANGULAR JS 2**

**Example 1:**

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| **TYPESCRIPT** | **HTML** | **CSS** |
| @Component({  selector: 'app-root',  templateUrl: './app.component.html',  styleUrls: ['./app.component.css']  })  export class AppComponent {  title = 'Welcome to Angular js2'; }  **One Way Data Binding:**  export class AppComponent {  title = 'Welcome to Angular js2'; }  **Two way data binding:**  **Ex1:**  export class AppComponent {  title = 'Angular'; }  **OR**  **Import**  **1. ngModule**  **2. Browser Module**  **3. Form Module in** app.module.ts  **--------------------------------------------------**  **Ex:2**  **App.module.ts**  import { BrowserModule } from '@angular/platform-browser';  import { NgModule } from '@angular/core';  import {FormsModule} from '@angular/forms'  import { AppComponent } from './app.component';  import { C1Component } from './c1/c1.component';  import { CM1Component } from './cm1/cm1.component';  @NgModule({    declarations: [  AppComponent,  C1Component,  CM1Component  ],  imports: [  BrowserModule,  FormsModule  ],  providers: [],  bootstrap: [AppComponent]  })  export class AppModule { }  **app.component.ts**  export class AppComponent {  title = 'Angular';    }  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | <html>  <h1>{{title}}</h1>  </html>    **-----------------------------------------**  Name: <input [value]='title'/>  <br>  You have Entered: {{title}}  ----------------------  Name: <input [value]='title' (input)='title=$event.target.value' />  <br>  You have Entered: {{title}}      **-------------------------------------------------------**  Name: <input [(ngModel)]='title'/>  <br>  You have Entered: {{title}} | h1{  color:red;  } |

**Property Binding:**

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| TYPESCRIPT: | HTML |
| Images: | <img src="assets/Image\_folder/periyar.jpg"> |
| Interpolation  a=10; b=20; | <p>{{a+b}} </p> |
| c= ["A","B","C"]; | <ul \*ngFor="let i of c" >  <li>{{i}}</li>  </ul> |
| x ={ name:"Anbu",  age:27,  mob:979181  }; | <table>  <tr>  <td>{{x.name}}</td>  <td>{{x.age}}</td>  <td>{{x.mob}}</td>  </tr>  </table> |
| y ={mobile:[{name:"nokia",  rate:5000 },  {name:"samsung",  rate:5000} ],  books:[{name:"PHP",  rate:200},  {name:"JAVA",  rate:400}]} | <table>  <tr \*ngFor="let d of y.mobile">  <td>{{d.name}}</td>  <td >{{d.rate}}</td>  </tr>  <tr \*ngFor="let d of y.books">  <td>{{d.name}}</td>  <td >{{d.rate}}</td>  </tr>  </table> |
| x0=0;  clickMe()  {  this.x0=this.x0+1;  }  eraseMe()  {  this.x0=0;  }    x1='';  clicked(x:string)  {  this.x1=x;  } | <button (click)="clickMe()">count</button>  <button (click)="eraseMe()">clear</button> <br><br>  <p>{{x0}} </p>  <button (click)="clicked('Hi Dear!!!')">click</button>  <p>{{x1}}</p> |
| Ex:  x ={ name:"Guhan", age:27, mob:979181,id:55};  Ex:  y =  {mobile:[{name:"nokia",rate:5000 },{name:"samsung",rate:6000} ],  books:[{name:"PHP",rate:200},{name:"JAVA", rate:400}]} | <style>  .h1{color:green;}  .h2{color: palevioletred;}  </style>  <h2  class="h1" [class.h1]="x.id"  [class.h2]="!x.id"> {{x.name}}  </h2>  <p \*ngIf="x.name"> {{x.name}} </p>  <!-------------------------->    <table>  <tr \*ngFor="let d of y.mobile">  <td \*ngIf="d.name"> {{d.name}} </td>  <td[class.h2]="d.rate==5000"  [class.h1]="d.rate!=5000">  {{d.rate}}  </td>  </tr>  <tr \*ngFor="let d of y.books">  <td >{{d.name}}</td>  <td >{{d.rate}}</td>  </tr>  </table> |

**Event Handling:**

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| **TYPESCRIPT** | **HTML** |
| g='';h='';l='';  mouseEnter(x : string)  { /\*alert("mouse enter : " + div);\*/ this.g=x; }  mouseEnter1(y : string)  { this.h=y; }  mouseEnter2(z : string)  { this.l=z; }    mouseLeave(x : string)  { this.g=''; }  mouseLeave1(y : string)  { this.h=''; }  mouseLeave2(z : string)  { this.l=''; } | <h1>Form validation </h1>  <!-- Dont forget include this in: @Component({  moduleId:module.id, -->  <div>  <input (mouseenter) ="mouseEnter('Enter your name') "  (mouseleave) ="mouseLeave('')">  <br><br>  <input (mouseenter) ="mouseEnter1('Enter your Mobile') "  (mouseleave) ="mouseLeave1('')">  <br><br>  <input (mouseenter) ="mouseEnter2('Enter your Email') "  (mouseleave) ="mouseLeave2('')"><br><br>  </div>  <div>  <p>{{g}}</p><br>  <p>{{h}}</p><br>  <p>{{l}}</p><br>  </div> |
| s= "Guhan"; | Name: <input [(ngModel)]="title"/><br><br>  mob: <input [(ngModel)]="mob"/><br><br>  Age: <input [(ngModel)]="age"/>    <p \*ngIf="title=='guhan'" >  You have Entered: {{title}}</p>  <p [style.border]="mob==9791 ?  '2px solid red':'2px solid green'"> {{s}}</p>    <br>  <style>  .d1{background-color: pink; width: 200px; height: 50px;color:white}</style>  <div class="d1" [style.backgroundColor]="age==5 ? 'red':'blue'"> rahu </div>  <!-- [style.color]="age==5 ? 'red':'blue'" --> |