**What is a data binding?**

Data binding is a core concept in Angular and allows to define communication between a component and the DOM, making it very easy to define interactive applications without worrying about pushing and pulling data. There are four forms of data binding(divided as 3 categories) which differ in the way the data is flowing.

1. **From the Component to the DOM:** **Interpolation:** {{ value }}: Adds the value of a property from the component

<li>Name: {{ user.name }}</li>

<li>Address: {{ user.address }}</li>

**Property binding:** **[property]=”value”:** The value is passed from the component to the specified property or simple HTML attribute

<input type="email" [value]="user.email">

1. **From the DOM to the Component:** **Event binding: (event)=”function”:** When a specific DOM event happens (eg.: click, change, keyup), call the specified method in the component

<button (click)="logout()"></button>

1. **Two-way binding:** **Two-way data binding:** **[(ngModel)]=”value”:** Two-way data binding allows to have the data flow both ways. For example, in the below code snippet, both the email DOM input and component email property are in sync

<input type="email" [(ngModel)]="user.email">