

What is Data Binding?

→ Communication between typescript code of your component and the template (html) that the user see.

Data Bincling == Communication

We get different ways of communication.

For eg → we want to output data from our typescript code in html code.
we can use String Interpolation for this

Syntax for String Interpolation

{} {} data {} {}

you put your data that will come from ts in double curly braces

Eg of String Interpolation

Eg → In your ts file.

`export class MyComponent {`

`name: string = 'deepa';`

`}`

In your html file,

`<p> My name is {{name}} </p>`

It will print My name is deepa.

⇒ Now Suppose you have a button to submit.
It must be enabled only if you're admin.

In this case you'll use property binding.

★ native.
The `[disabled]` property will bind to boolean which we'll define in ts.

Eg of Property binding.

In ts File:

`export class MyComponent {`

`isAdmin: boolean = true;`

`}`

In html

`<button [disabled] = "!isAdmin"> Add </button>`

Event Binding → It allows your component to react to user's actions such as button click, key strokes, etc.

Like property Binding use [] square brackets

Event Binding use () parenthesis

Let's say on click of button I want to show something.

In ts File

```
export class MyComponent {
```

```
  name: String
```

```
  onClick(): void {
```

```
    this.name = 'deepa';
```

```
}
```

In html

```
<p> My name is ${name} </p>
```

```
<button (click) = "onClick()"> Add </button>
```

So before clicking Add, name will be blank

After clicking Add, name will be shown i.e.

(deepa)