

## 5.TWO WAY BINDING

### app.component.html

```
<h1>Component Interaction</h1>
<app-child></app-child>
```

### app.component.html

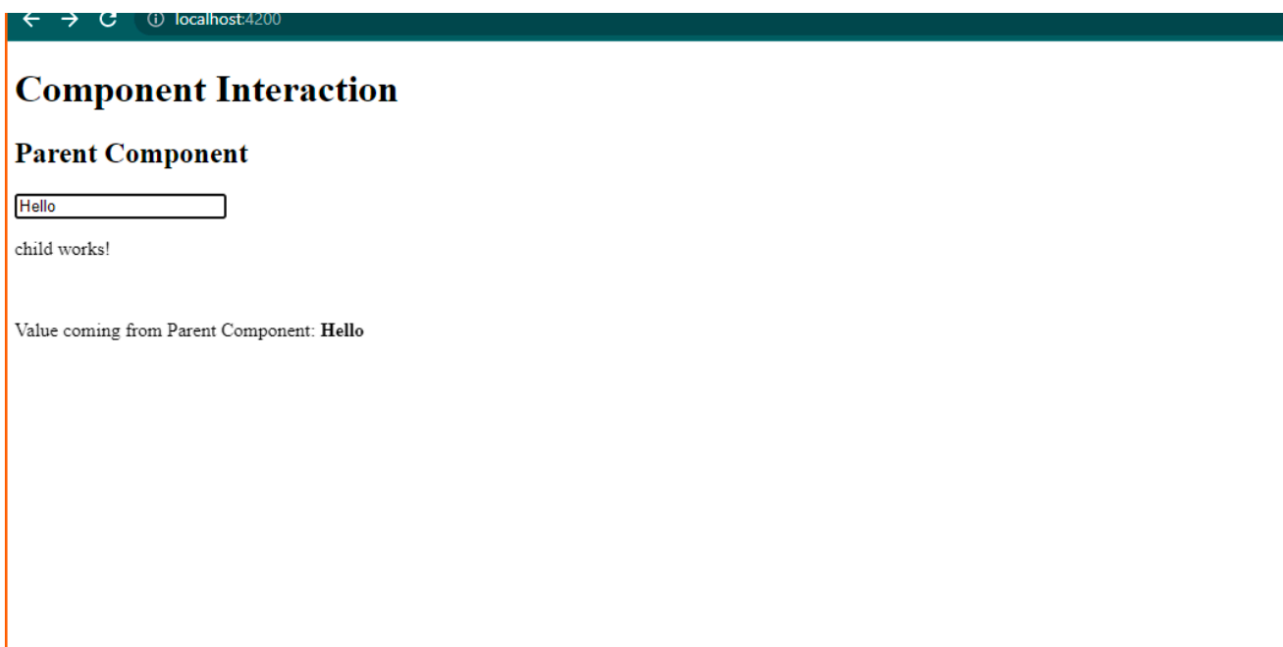
```
<h1>Component Interaction</h1>
<h2>Parent Component</h2>
<!--Parent to child communication-->
<input type="text" (keyup)="0" #ptext>
<app-child [pdata]="ptext.value"></app-child>
```

### child.component.ts

```
import { Component, OnInit } from "@angular/core";
@Component({
  selector: "app-child",
  templateUrl: "../child.component.html",
  styleUrls: ["../child.component.css"],
  inputs: ["pdata"],
})
export class ChildComponent implements OnInit {
  pdata: string = "";
  constructor() {}
  ngOnInit(): void {}
}
```

### child.component.html

```
<p>child works!</p>
<br>
<p>Value coming from Parent Component: <b>{{pdata}}</b></p>
```



## Child.component.html

```
<p>child works!</p>
<br>
<p>Value coming from Parent Component: <b>{{pdata}}</b></p>
<hr>
<br>

<input type="text" #cdata (keyup)="onChange(cdata.value)">
```

## Child.component.ts

```
import { Component, EventEmitter, OnInit } from "@angular/core";
@Component({
  selector: "app-child",
  templateUrl: "../child.component.html",
  styleUrls: ["../child.component.css"],
  inputs: ["pdata"],
  outputs: ["cevent"],
})
export class ChildComponent implements OnInit {
  pdata: string = "";
  constructor() {}
  ngOnInit(): void {}
}
```

```

    cevent = new EventEmitter<String>();
    onChange(value: string) {
      this.cevent.emit(value);
    }
  }
}

```

## **App.component.html**

```

<h1>Component Interaction</h1>
<h2>Parent Component</h2>

<input type="text" (keyup)="0" #ptext>

<p>Value coming from child:<b>{{cdata}}</b></p>
<app-child [pdata]="ptext.value" (cevent)="cdata=$event"></app-child>

```

## **app.component.ts**

```

import { Component } from '@angular/core';
@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'parent';
  cdata:String=
  "",
}

```

# Component Interaction

## Parent Component

my name is nikunj

Value coming from child: i am JAVA FSD Trainer

child works!

Value coming from Parent Component: my name is nikunj

i am JAVA FSD Trainer