Phase-4 Practice Project: Assisted Practice

5.TWO WAY BINDING

SOURCE CODE:

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>
```

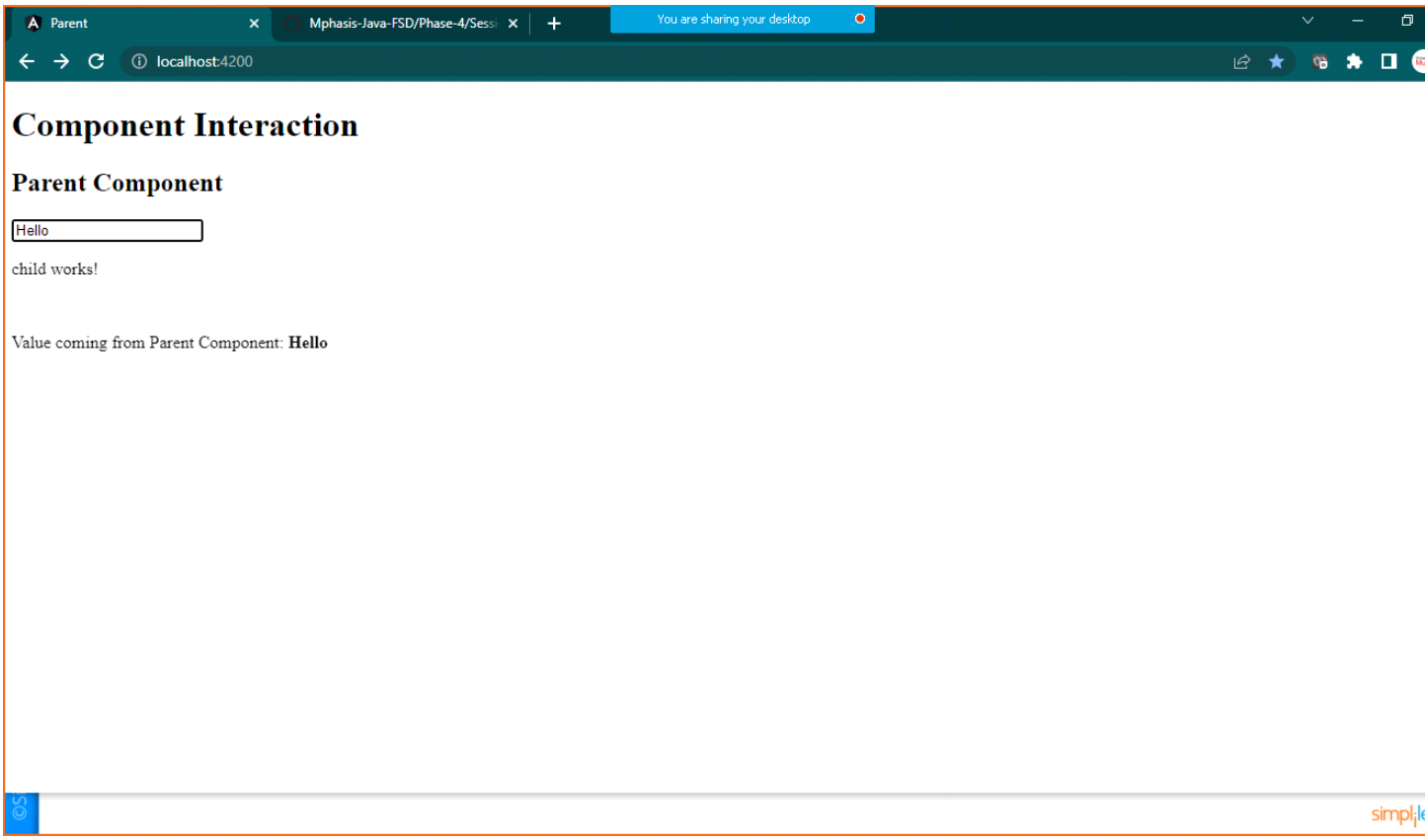
child.component.ts

```
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 TO PARENT COMMUNICATION
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

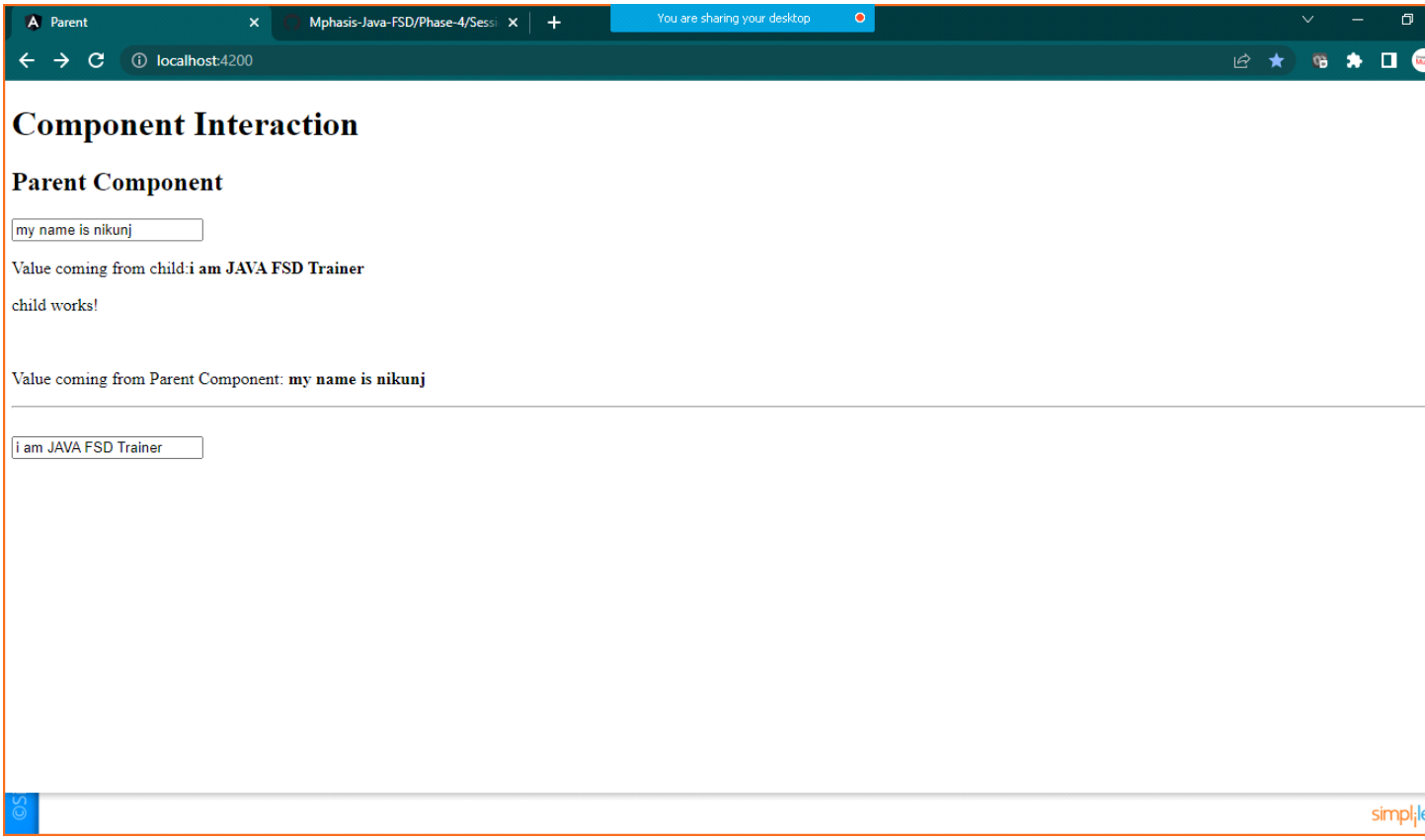
```
<h1>Component Interaction</h1>
```

```
<h2>Parent Component</h2>

<!--Parent to child communication-->

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

<!--Child to  parent communication-->

<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="";
}
```

OUTPUT:


Parent
Mphasis-Java-FSD/Phase-4/Sessi
You are sharing your desktop
localhost:4200
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