

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 {
```

```
}
```

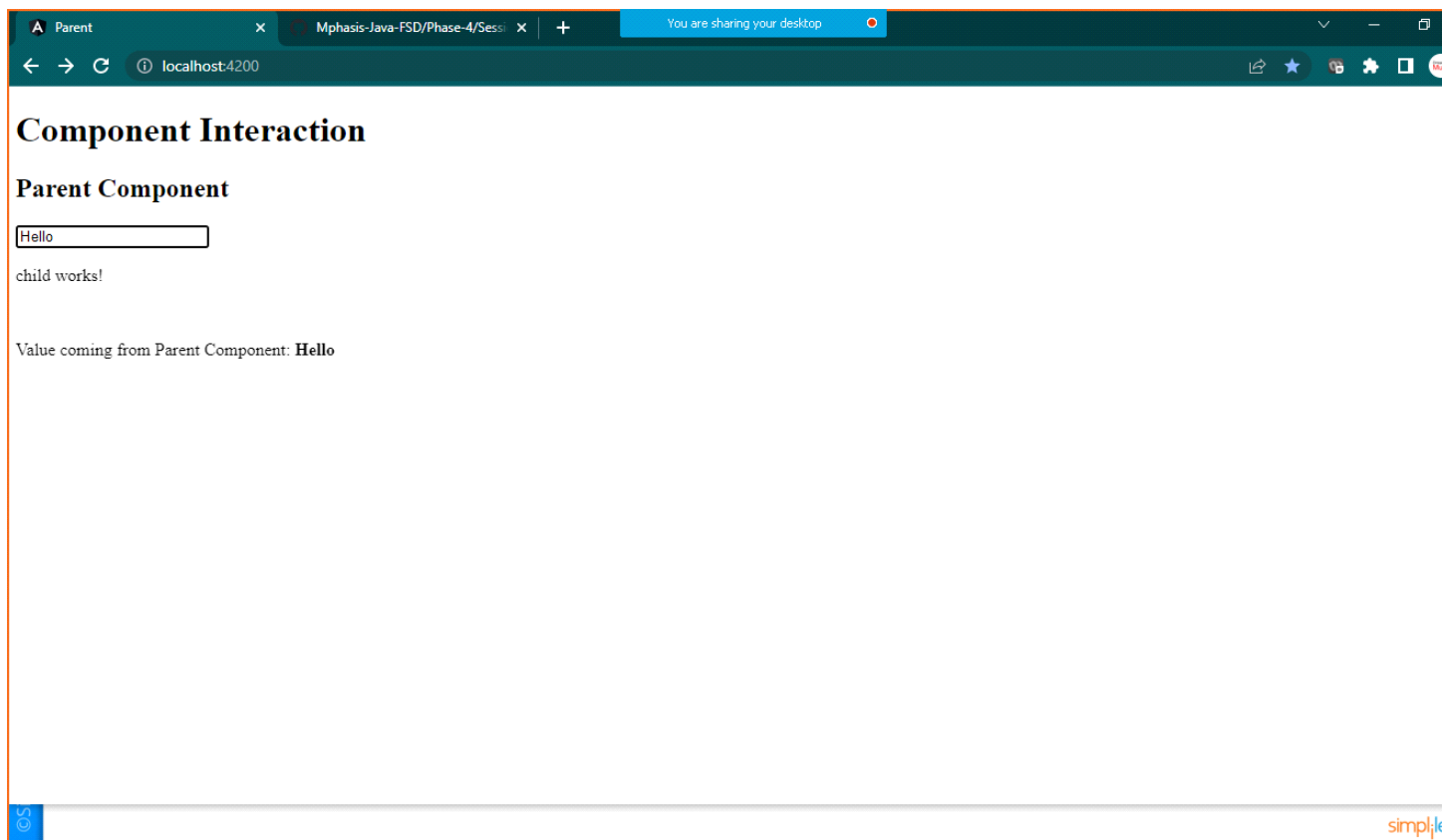
```
}
```

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']
```

```
})
```

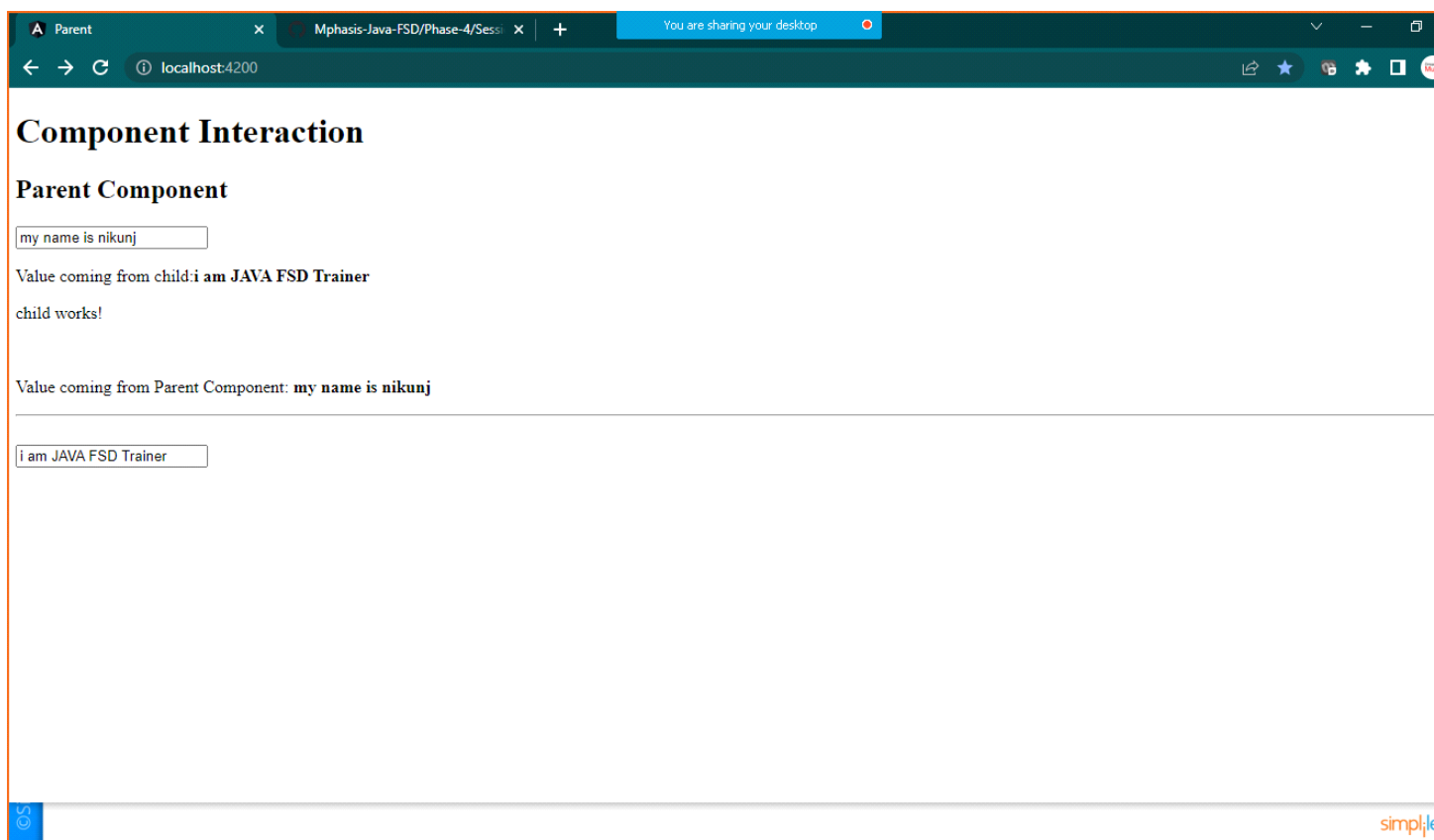
```
export class AppComponent {
```

```
  title = 'parent';
```

```
  cdata:String="";
```

```
}
```

OUTPUT:



The screenshot shows a web browser window with the following content:

- Browser Tabs:** "Parent", "Mphasis-Java-FSD/Phase-4/Sessi...", and "You are sharing your desktop".
- Address Bar:** "localhost:4200".
- Page Title:** "Component Interaction".
- Section Header:** "Parent Component".
- Form:** A text input field containing "my name is nikunj".
- Text Output:** "Value coming from child: i am JAVA FSD Trainer".
- Text Output:** "child works!".
- Text Output:** "Value coming from Parent Component: my name is nikunj".
- Form:** A text input field containing "i am JAVA FSD Trainer".

The browser interface includes standard navigation buttons (back, forward, refresh) and a status bar at the bottom with a blue icon on the left and the text "simple" on the right.