1. Prepare new app with name parent
2. Prepare component named as child in angular

**COMMUNICATION FROM PARENT TO CHILD VIA INPUT**

**App.component.html**

<h1>Two Way Communication</h1>

<h2>Component Interaction</h2>

<h3>Parent Component</h3>

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

<app-child [pdata]="ptext.value"></app-child>

**Child.component.ts** file

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 {

  }

}

To Display the value in child component

**Child.component.html**

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<h2> This is Child Component</h2>

<br>

<p> Value Coming from Parent Component : <b>{{pdata}}</b></p>

**COMMUNICATION FROM CHILD TO PARENT**

**Child.component.html**

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<h2> This is Child Component</h2>

<br>

<p> Value Coming from Parent Component : <b>{{pdata}}</b></p>

<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>Two Way Communication</h1>

<h2>Component Interaction</h2>

<h3>Parent Component</h3>

<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="";

}

Save it and check out put

