Prepare new app in angular with name parent

* ng new parent

change the directory to parent

* cd parent

prepare child component inside the app

* ng g c child

Communicate from parent to child(input)

**First include <app-child></app-child> in app.component.html file**

<h1>Component Interaction</h1>

<h1>Parent Component</h1>

<!--parent to child communication-->

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

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

**Now go to child component.ts and add the following**

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**

**Go to child.component.html and add the following**

<p>child works!</p>

<br>

<p>value coming from parent component :<b>{{pdata}}</b></p>

**Save it and check the output: now you will be able to do parent to the child communication.**

Communication from child to parent

**Child.component.html**

<p>child works!</p>

<br>

<p>value coming from parent component :<b>{{pdata}}</b></p>

<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);

  }

}

**Let’s access this value in parent component**

**Go to>app .component.html and add the following**

<h1>Component Interaction</h1>

<h1>Parent Component</h1>

<!--parent to child communication-->

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

<!--child to parent communication-->

<p>Value received from Child Component :<b>{{cdata}}</b></p>

<app-child [pdata]="ptext.value" (cevent)="cdata=$event"></app-child>