# **Component Interaction**

* Interaction of component is nothing but sharing data between component or else communicating data between components.
* Communicating Data between components is done in 3 ways.

1. Parent to Child using **@Input()**

**parent.component.ts**

import { Component, OnInit } from '@angular/core';

@Component({

  selector: 'app-parent',

  templateUrl: './parent.component.html',

  styleUrls: ['./parent.component.css']

})

export class ParentComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  message = "Hello Child";

}

**child.component.ts**

import { Component, Input, OnInit } from '@angular/core';

@Component({

  selector: 'app-child',

  templateUrl: './child.component.html',

  styleUrls: ['./child.component.css']

})

export class ChildComponent implements OnInit {

  constructor() { }

  ngOnInit(): void {

  }

  @Input() parentMessage:any;

}

**child.component.html**