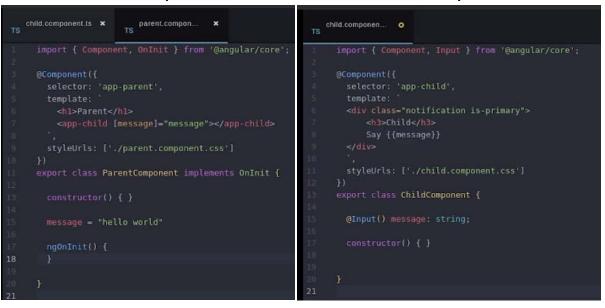
1. Using @Input (Parent ---->>>>Child)

Parent Component

Child Component



2. Using @Output + EventEmitter<string> (Child--->>>Parent)

a) Child Component

```
constructor() { )

senddessage() {

this.messageEvent.emit(this.message) }

child component. *

parent component... *

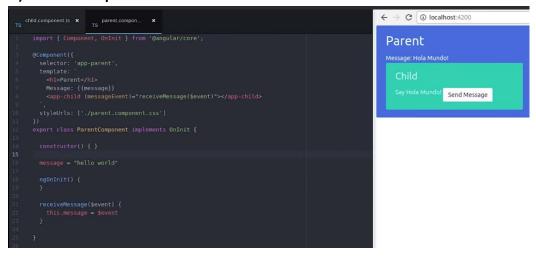
parent component... *

parent component... *

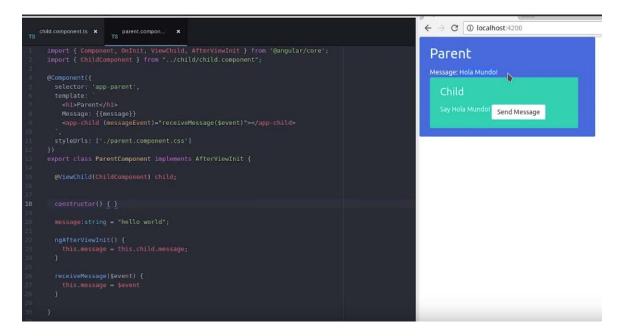
parent component... *

child component({
    selector: 'app-child',
    selector: 'app-child',
```

b) Parent Component



3. Using @ViewChild (Child--->>Parent)

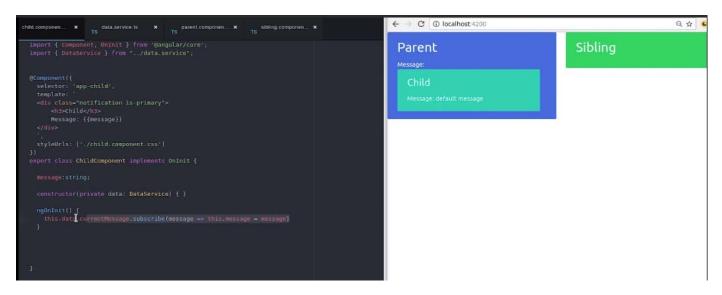


4. Using BehaviourSubject<string> (Comp1 -->> Comp2) or (Comp2 -->> Comp1)

We make common service of BehaviourSubject<string>



Child Component



Parent Component:

```
thid component is * To data service is * To parent componen. * To bibling componen. * To bibling componen. * To bibling componen. * To bibling component (Component (
```

Var , Let and Const:

```
constructor(){
    var a;          Note: I can declare first and later i can initialised
    a = 10;
    let b;
    b = 10;
    const c = 30;    Note: constant has to be initialised while declaring
}
```

Re-initialising:

```
Var
                                                   Let
                                                                                               Const
constructor(){
                                          constructor(){
                                                                                    constructor(){
   var a=10;
                                              let a=10;
                                                                                        const a=10;
   console.log(a);
                        // 10
                                              console.log(a);
                                                                  // 10
                                                                                        console.log(a);
                                                                                                             // 10
   a = 20;
                                              a = 20;
                                                                                        a = 20;
                                                                                     //Error ,you cannot re-initialised
   console.log(a);
                        // 20
                                             console.log(a);
                                                                   // 20
}
                                          }
                                                                                        console.log(a);
showData()
                                          showData()
{
                                          {
   var a=10;
                                              let a=10;
   console.log(a); //10
                                              console.log(a); //10
if(true)
                                          if(true)
                                          {
{
   var a=20;
                                             let a=20;
   console.log(a); //20
                                             console.log(a); //20
                                             a=30;
  console.log(a) // 30
                                          console.log(a) // 30
console.log(a);
               //30
                                          console.log(a);
                                                           //10
}
                                          }
```

Component lifecycle hooks overview:

- Directive and component instances have a lifecycle as Angular creates, updates, and destroys them
- To see component lifecycle by implementing one or more of the *lifecycle hook* interfaces in the Angular core library.
- Each interface has a single hook method whose name is the interface name prefixed with ng.
- No directive or component will implement all of the lifecycle hooks.

LIFECYCLE HOOKS



- Angular only calls a directive/component hook method if it is defined.
- The JavaScript language doesn't have interfaces.
- Angular is a platform and framework for building client applications in HTML and TypeScript.
- Angular is written in TypeScript.
- Both components and services are simply classes, with *decorators* that mark their type and provide metadata that tells Angular how to use them.
- Angular instead inspects directive and component classes and calls the hook methods if they
 are defined.
- Angular finds and calls methods like ngOnInit(), with or without the interfaces.