

@Output() - child to parent

AppComponent (parent)

```
TS app.component.ts X
12_input_output > 02_output > project > src > app > TS app.component.ts > ...
1 import { Component } from '@angular/core';
2
3 @Component({
4   selector: 'app-root',
5   templateUrl: './app.component.html',
6   styleUrls: ['./app.component.css']
7 })
8 export class AppComponent {
9   public counter:number=0;
10
11   public incCounter():void{
12     this.counter++;
13   }
14 }
15
16
17
18
```

```
app.component.html X
12_input_output > 02_output > project > src > app > app.component.html > ...
1 <p>Child changes counter: {{counter}}</p>
2 <app-info ageChange="incCounter()"></app-info>
3
4
5
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```

Diagram annotations: Red arrow 1 points from the `incCounter()` call in the HTML to the `incCounter()` method in the TypeScript file. Red arrow 2 points from the `ageChange` attribute in the HTML to the `incCounter()` method. Red arrow 3 points from the `incCounter()` method to the `counter` property.

InfoComponent (child)

```
TS info.component.ts X
12_input_output > 02_output > project > src > app > info > TS info.component.ts > ...
1 import { Component, Output, EventEmitter } from '@angular/core';
2
3 @Component({
4   selector: 'app-info',
5   templateUrl: './info.component.html',
6   styleUrls: ['./info.component.css']
7 })
8 export class InfoComponent {
9   public age:number=20;
10   @Output() ageChange:EventEmitter<void>=new EventEmitter<void>();
11
12   public inc(){
13     this.age++;
14     this.ageChange.emit();
15   }
16 }
17
18
19
```

```
info.component.html X
12_input_output > 02_output > project > src > app > info > info.component.html > ...
1 <p>age:{{age}}</p>
2
3 <button (click)="inc()">increment age</button>
4
5
6
7
8
9
10
11
12
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14
15
16
17
18
19
```

Diagram annotations: Red arrow 1 points from the `inc()` call in the HTML to the `inc()` method in the TypeScript file.