

Stack 24/7

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Angular – Call Child Component's Method in Parent Component's Template

Posted on May 22, 2018 May 22, 2018 by Quad Coders

You have ParentComponent and ChildComponent that looks like this.

parent.component.html

```
1  <p>
2      This is parent
3  </p>
4  <input id="someInput"/>
5  <app-child></app-child>
6
```

parent.component.ts

```
1 import {Component} from '@angular/core';
2
3 @Component({
4   selector: 'app-parent',
5   templateUrl: './parent.component.html',
6   styleUrls: ['./parent.component.css']
7 })
8 export class ParentComponent {
9   constructor() {
10   }
11 }
```

child.component.html

```
1 <p>
2   This is child
3 </p>
```

child.component.ts

```
1 import {Component} from '@angular/core';
2
3 @Component({
4   selector: 'app-child',
5   templateUrl: './child.component.html',
6   styleUrls: ['./child.component.css']
7 })
8 export class ChildComponent {
9   constructor() {
10   }
11
12   doSomething() {
13     console.log('do something');
14   }
15 }
```

When serve, it looks like this:

This is parent

This is child

When user focus on ParentComponent's `input` element, you want to call ChildComponent's `doSomething()` method.

Simply do this:

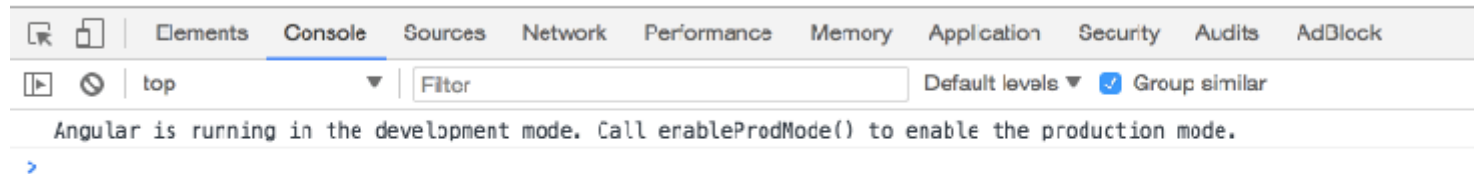
1. Give `app-child` selector in `parent.component.html` a DOM variable name (**prefix with #** – hashtag), in this case we call it `appChild`.
2. Assign expression value (of the method you want to call) to `input` element's `focus` event.

```
1  <p>
2    This is parent
3  </p>
4  <input id="someInput" (focus)="appChild.doSomething()"/>
5  <app-child #appChild></app-child>
6  |
```

The result:

This is parent

This is child



Tagged [angular](#), [component](#), [component-communication](#), [dom-variable](#), [syntax](#), [template](#)



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