

Access template reference variables from component class

Asked 2 years, 11 months ago Active 6 months ago Viewed 65k times



84

```
<div>
  <input #ipt type="text"/>
</div>
```



Is it possible to access the template access variable from the component class?



i.e., can I access it here,

24

```
class XComponent{
  somefunction(){
    //Can I access #ipt here?
  }
}
```



angular

typescript

angular2-template

edited Mar 4 at 21:21



Alexander Abakumov

5,699 5 50 79

asked Sep 22 '16 at 6:18



jackOfAll

924 1 14 32

1 Answer



129

That is a use-case for @ViewChild : <https://angular.io/docs/ts/latest/api/core/index/ViewChild-decorator.html>

```
class XComponent{
  @ViewChild('ipt') input: ElementRef;

  ngAfterViewInit(){
```

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

```

somefunction(){
  this.input.nativeElement.....
}
}

```

Here's a working demo: <https://plnkr.co/edit/GKlymm5n6WaV1rARj4Xp?p=info>

```

import {Component, NgModule, ViewChild, ElementRef} from '@angular/core'
import {BrowserModule} from '@angular/platform-browser'

```

```

@Component({
  selector: 'my-app',
  template: `
    <div>
      <h2>Hello {{name}}</h2>
      <input #ipt value="viewChild works!!" />
    </div>
  `,
})
export class App {

  @ViewChild('ipt') input: ElementRef;

  name:string;
  constructor() {
    this.name = 'Angular2'
  }

  ngAfterViewInit() {
    console.log(this.input.nativeElement.value);
  }
}

@NgModule({
  imports: [ BrowserModule ],
  declarations: [ App ],
  bootstrap: [ App ]
})
export class AppModule {}

```

edited Sep 22 '16 at 6:46

answered Sep 22 '16 at 6:23



mxii

12 1k

2

35

44

By using our site, you acknowledge that you have read and understand our Cookie Policy, Privacy Policy, and our Terms of Service.

As i mentioned, its only available AFTER the event `ngAfterViewInit()` was fired. You have to import `ViewChild` from '@angular/core' .. – [mxii](#) Sep 22 '16 at 6:43

But how can we set a value? I've tried `this.ipt.nativeElement.setAttribute('value', 'xxx');` but nothing happens. And there are no methods like `value()` or `setValue()` , even if I declare it of type `HTMLInputElement` (I'm basing this on IDE's code hinting/autocomplete). In my case, I don't care about reading the value. I just need to set different values. – [MrCroft](#) May 10 '17 at 18:40

Currently in Holiday.. did you tried `setProperty` also? – [mxii](#) May 10 '17 at 19:00

1 shouldn't `this.input.nativeElement.value = 'test'` work?! maybe there are special behaviors with forms and their bindings. – [mxii](#) May 11 '17 at 6:49

Got a question that you can't ask on public Stack Overflow? [Learn more](#) about sharing private information with Stack Overflow for Teams.

