

Component Communication

4. Template Reference Variable

Template Reference Variable



- In the component template you can place # to access Dom elements, components, and directives
- TRV is used to access public properties and methods of an instance

```
aComponent({
  selector: 'app-root',
  template:
    <h1 #hello>hello: HtmlHeadingElement<h1>
    <!-- inputModel: NgModel -→
    <input type="text" ngModel #inputModel="ngModel" >
    <!-- childComponent: ChildComponent -→
    <academeez-child #childComponent><academeez-child>
```

Default behaviour



- If Template reference variable (TRV) is placed on a DOM element we will get that DOM element (even if there is a directive on that element)
- If TRV is placed on a component, we will get the component instance even if there
 is a directive on the component as well.

TRV - Directive



In order to get a directive, you will have to specify the exportAs

Parent

Directive

```
aDirective({
    selector: '[foo]',
    exportAs: 'academeezFoo'
})
```

Summary



- With @Input, @Output we cannot access the inner state and methods of a component or directive, with TRV we can do that
- A parent component can place TRV # on a Dom element a component or a directive with
- To get a directive we will have to place exportAs in the directive metadata



Thank You

Next Lesson: 5. aViewChild