

Pro Angular

Chapter 15: Creating Attribute Directives

INSTRUCTOR: MD. HABIBUL HAQ
domain.habib@gmail.com

14 July 2019

Q1. What is required to create an attribute directive?

- A. Create a class with name suffixed with Attribute
- B. Create a class and save it in src/directives folder
- C. Create a class that ingratiate from Element Red class
- D. Create a class decorated with @Directive decorator**

Answer: D

[Page: 340]

Q2. You created a directive using code
import { Directive } from '@angular/core';

```
@Directive({
  selector: '[app-highlight]'
})
export class HighlightDirective {
  constructor() { /*...*/ }
}
```

How do you use the directive?

- A. text
- B. text
- C. text**
- D. text

Answer: C

[Page: 345]

Q3. You want to create an attribute directive that will make an element's black color context to be yellow.
Your code is like below

import { Directive, ElementRef } from '@angular/core';

```
@Directive({
  selector: '[appHighlight]'
})
export class HighlightDirective {
  constructor(el: ElementRef) {

  }
}
```

Which code should you use in the constructor?

- A. el.backgroundColor = 'yellow';
- B. el.style.backgroundColor = 'yellow';
- C. el.nativeElement.backgroundColor = 'yellow';
- D. el.nativeElement.style.backgroundColor = 'yellow';**

Answer: D

[Page: 346]

Q4. Which directive is used read host element's attribute value in an attribute directive?

- A. @Directive
- B. @Input
- C. @Attribute
- D. @Value

Answer: C

[Page: 347]

Q5. You want to create an attribute directive that will read a highlight-class attribute value from host element
Your code is like below

```
import { Directive, ElementRef, Attribute } from '@angular/core';
```

```
@Directive({
  selector: '[app-highlight]'
})
export class HighlightDirective {
  constructor(el: ElementRef) {}
}
```

How should you change the constructor?

- A. constructor(el: ElementRef,highlight-class:string) {
- B. constructor(el: ElementRef, @Attribute() hClass:string) {}
- C. constructor(el: ElementRef, @Attribute("string") hClass:string) {}
- D. constructor(el: ElementRef, @Attribute("highlight-class") hClass:string) {}

Answer: D

[Page: 346]

Q6. You want to create an attribute directive that will make an element's black color context to be yellow.
Your code is like below

```
import { Directive, ElementRef } from '@angular/core';
```

```
@Directive({
  selector: '[appHighlight]'
})
export class HighlightDirective {
  @Input() highlightColor: string;
  constructor(el: ElementRef) {
    el.nativeElement.style.backgroundColor = highlightColor: string;
  }
}
```

Which code should use the directive correctly?

- A. <p appHighlight highlightColor="orange">orange</p>
- B. <p appHighlight [highlightColor]="orange">orange</p>
- C. <p appHighlight (highlightColor)="orange">orange</p>
- D. <p appHighlight [(highlightColor)]= "orange">orange</p>

Answer: B

[Page: 348]