

# Pro Angular

## Chapter 15: Creating Attribute Directives

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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

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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. <span app="highlight">text</span>
- B. <span [attr]="app-highlight">text</span>
- C. <span app-highlight>text</span>**
- D. <span #app-highlight>text</span>

Answer: C

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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

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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

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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

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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

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