

1. What is the primary purpose of Angular directives?

- a) To handle form submissions
- b) To manipulate the DOM
- c) To define data models
- d) To manage HTTP requests

****Answer:**** b) To manipulate the DOM

2. Which directive is used to conditionally include an element in the DOM in Angular?

- a) `*ngSwitch`
- b) `*ngFor`
- c) `*ngIf`
- d) `*ngModel`

****Answer:**** c) `*ngIf`

3. How do you apply the ``ngClass`` directive to an element?

- a) ``[ngClass]="{'class-name': condition}``
- b) ``ngClass="class-name"``
- c) ``*ngClass="{'class-name': condition}``

d) `[ngClass]="{'class-name': condition}"`

****Answer:**** a) `[ngClass]="{'class-name': condition}"`

4. Which directive is used to bind data to an HTML element's property?

a) `*ngIf`

b) `*ngFor`

c) `[ngModel]`

d) `[ngStyle]`

****Answer:**** d) `[ngStyle]`

5. The `ng-template` directive is primarily used for:

a) Defining template reference variables

b) Declaring inline templates

c) Binding properties to HTML elements

d) Applying styles dynamically

****Answer:**** b) Declaring inline templates

6. What does the `ng-container` directive do?

- a) Adds styles to the DOM
- b) Inserts a comment in the DOM
- c) Groups elements without adding extra DOM nodes
- d) Handles click events

****Answer:**** c) Groups elements without adding extra DOM nodes

7. How can you apply a structural directive to an element?

- a) By using brackets `[]`
- b) By using parentheses `()`
- c) By prefixing with an asterisk `*`
- d) By using double braces `{ { } }

****Answer:**** c) By prefixing with an asterisk `*`

8. Which directive is used to repeat an element for each item in a collection?

- a) `*ngIf`
- b) `*ngFor`
- c) `*ngSwitch`
- d) `*ngClass`

****Answer:**** b) `*ngFor`

9. The `\ngSwitch`` directive requires which of the following to be used in conjunction?

a) `*ngSwitchDefault`

b) `*ngIf`

c) `*ngFor`

d) `*ngModel`

****Answer:**** a) `*ngSwitchDefault`

10. How do you create a custom directive in Angular?

a) Using the `\@Pipe`` decorator

b) Using the `\@Directive`` decorator

c) Using the `\@Component`` decorator

d) Using the `\@Injectable`` decorator

****Answer:**** b) Using the `\@Directive`` decorator

11. Which lifecycle hook is specific to directives?

a) `ngOnInit`

- b) ngOnDestroy
- c) ngOnChanges
- d) ngOnStyleChange

****Answer:**** c) ngOnChanges

12. What is the correct syntax to apply `ngStyle` directive?

- a) `[ngStyle]="{'property': value}"`
- b) `ngStyle="property: value"`
- c) `*ngStyle="{'property': value}"`
- d) `[style]="{'property': value}"`

****Answer:**** a) `[ngStyle]="{'property': value}"`

13. Which of the following is NOT a structural directive?

- a) `*ngIf`
- b) `*ngFor`
- c) `*ngSwitch`
- d) `[ngStyle]`

****Answer:**** d) `[ngStyle]`

14. What is the primary function of attribute directives?

- a) To modify the structure of the DOM
- b) To create reusable components
- c) To change the appearance or behavior of a DOM element
- d) To handle user input

****Answer:**** c) To change the appearance or behavior of a DOM element

15. How can you pass an input to a custom directive?

- a) Using `@Output``
- b) Using `@Input``
- c) Using `@Directive``
- d) Using `@Component``

****Answer:**** b) Using `@Input``

16. The `ngModel`` directive is used for:

- a) Two-way data binding
- b) Event handling
- c) Applying styles

d) Conditional rendering

****Answer:**** a) Two-way data binding

17. Which of the following is true about `ngFor` directive?

- a) It can only be used with arrays.
- b) It creates a new scope for each item.
- c) It does not support index tracking.
- d) It cannot be used with `trackBy`.

****Answer:**** b) It creates a new scope for each item.

18. How do you apply multiple classes conditionally using `ngClass`?

- a) `[ngClass]="{'class1 class2': condition}"`
- b) `[ngClass]="{'class1': condition1, 'class2': condition2}"`
- c) `[ngClass]="['class1', 'class2']"`
- d) `ngClass="{ 'class1': condition1, 'class2': condition2 }"`

****Answer:**** b) `[ngClass]="{'class1': condition1, 'class2': condition2}"`

19. What is the purpose of the `ng-content` directive?

- a) To project content into Angular components
- b) To add styles dynamically
- c) To bind properties
- d) To handle user events

****Answer:**** a) To project content into Angular components

20. How do you access an element in a directive using `ElementRef`?

- a) Through the `Renderer`
- b) By injecting `ElementRef` in the directive's constructor
- c) Using `@HostListener`
- d) Through `@ViewChild`

****Answer:**** b) By injecting `ElementRef` in the directive's constructor