

AI Response:

In Angular, directives are a powerful feature that allows you to extend HTML by o

1. ****Component Directives****: These are directives with an associated template. T

Example:

```
```typescript
import { Component } from '@angular/core';

@Component({
 selector: 'app-hello-world',
 template: `<h1>Hello, World!</h1>`,
})
export class HelloWorldComponent {}
```
```

2. ****Structural Directives****: These directives change the structure of the DOM. T

Common structural directives include:

- `*ngIf`: Conditionally includes a template based on a boolean expression.
- `*ngFor`: Iterates over a collection and renders a template for each item.
- `*ngSwitch`: Conditionally switches templates based on a provided expression.

Example of `*ngIf`:

```
```html
<div *ngIf="isVisible">This will be shown if isVisible is true.</div>
```
```

Example of `*ngFor`:

```
```html

 <li *ngFor="let item of items">{{ item }}

```
```

3. ****Attribute Directives****: These directives change the appearance or behavior o

Example of a simple attribute directive:

```
```typescript
import { Directive, ElementRef, Renderer2 } from '@angular/core';

@Directive({
 selector: '[appHighlight]'
})
export class HighlightDirective {
 constructor(private el: ElementRef, private renderer: Renderer2) {}
}
```