



# Angular Directives and Pipes

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## ► Directives

- Attribute – change the appearance or behavior of an element , component or another directive
- Structural –change the DOM layout by adding or removing DOM elements
- Components – directives with a template

USE THE CLI TO GENERATE DIRECTIVE → `ng generate directive directiveName`

## ► Pipes

- Build In
- Custom

## ► Attribute Directive

Be carefull not to use reserved names from the

Standard HTML attributes

Third Party Directive names

And do Not use ng for prefix because it is reserved for Angular

Bind to Single Input propertie

Bind to Multiple Input properties Input properties

- ▶ Attribute Directives – Summary
  - ▶ How to build an attribute directive
  - ▶ Modify Behavior of an element with an attribute directive
  - ▶ Apply a directive to an element in a template
  - ▶ Responding to events
  - ▶ Binding values
  - ▶ You can apply MANY\* to one host element

- ▶ Structural Directive
  - ▶ Responsible for HTML Layout
  - ▶ Recognized by the \* sign that precedes the directive attribute name
  - ▶ Built in : ngIf , ngFor , ngSwitch
  - ▶ You can only apply one to a host element

- ▶ Component Directives
  - ▶ Directives with a template

- ▶ Pipes
  - ▶ Build In
  - ▶ Custom
    - ▶ Pure
    - ▶ Impure



- Attribute Directives <https://angular.io/guide/attribute-directives>
- Structural Directives <https://angular.io/guide/structural-directives>
- Dynamic Components (Anchor Directive) <https://angular.io/guide/dynamic-component-loader>
- Pipes <https://angular.io/guide/pipes>
- GitHub Repo <https://github.com/IT-Labs/AngularTechniques/tree/master/directives-and-pipes>





Questions?