

Angular pipes: It is used to transform the data before its displaying in view template. Pipes take the input and format or transform the data to display it in the template. Pipes can be used to format strings, dates, currencies, and to perform other transformations on data. Angular comes with a number of built-in pipes, and you can also create your own custom pipes. The syntax for using a pipe in a template is by using the "|" symbol followed by the pipe name. For example, to format a date using the date pipe, you might use the following syntax: `{{ dateValue | date }}`.

Angular provides several built-in pipes for common data transformations:

- Datatype
- Uppercasepipe
- Lowercasepipe
- Currencypipe
- Decimalpipe
- percentpipe

Lifecycle hook: Lifecycle hooks are the methods that Angular invokes on the directives and components as it creates, changes, and destroys them. (that are called at specific points in the life of a component or directive.)

ngOnChanges() - when a component's input property changes, Angular invokes `ngOnChanges`.

- It's a good place to respond to changes in input properties and update the component's state accordingly.

ngOnInit() - it is used to initialize.

When Angular initializes the component for the first time, at that time `ngOnInit` is called. This hook will be called only once after the first `ngOnChanges`.

- It is called when the component is ready to receive data from its parent.
- Whenever the `ngOnInit` is called, the input property of the component gets updated.

ngDoCheck(): whenever the event happens, the Angular will run the change detection cycle. `ngDoCheck` will call for every change detection cycle.

ngAfterContentInit(): it is called after the component's content (ng-content) has been initialized.

ngAfterContentChecked(): it is called for change detection cycle (it is also called when the component's content changes).

ngAfterViewInit(): it is called when the component's view and its all child view are fully initialized and it is also called only once during the initialization.

ngAfterViewChecked(): it is called for each change detection cycle.

ngOnDestroy(): it called before the component or directive gets destroyed