

1. What are Components?

Ans: In Angular 2 & Angular 4, "everything is a component." Components are the main way we build and specify the elements and logic on the page, through both custom elements and attributes to our existing components

2. List out the some Configuration properties?

Ans:

- I. animations - list of animations of this component.
- II. changeDetection - change detection strategy used by this component.
- III. encapsulation - style encapsulation strategy used by this component.
- IV. entryComponents - list of components that are dynamically inserted into the view of this component.
- V. exportAs - name under which the component instance is exported in a template.
- VI. template - inline-defined template for the view.
- VII. templateUrl - url to an external file containing a template for the view.
- VIII. viewProviders - list of providers available to this component and its view children.

3. What is NgComponentOutlet?

Ans: NgComponentOutlet is a new directive that provides a declarative approach for creating dynamic components.

4. What is Ng-container ?

Ans: Ng-container directive is a logical container that can be used to group nodes but is not rendered in the DOM tree. <ng-container> is rendered as HTML comment. Ng-container is mostly used when we want to group elements on a condition based (i.e., using *ng-if).

5. What are the components life cycle Hooks?

Ans: After creating a component angular calls the life cycle hook methods in the following sequence.

- I. ngOnChanges
- II. ngOnInit
- III. ngDoCheck
- IV. ngAfterContentInit
- V. ngAfterContentChecked
- VI. ngAfterViewInit
- VII. ngAfterViewChecked
- VIII. ngOnDestroy

6. When ngAfterContentInit will be fired?

Ans: After component content initialized ngAfterContentInit will be fired.

7. What event executed just before the component is destroyed?

Ans: ngOnDestroy executed just before the component is destroyed.

8. What is Compiler?

Ans: Compiler is a service which is used for running the angular compiler during runtime and each @NgModule will provide an own compiler to its injector.

9. What is the ngComponentOutletContent?

Ans: ngComponentOutletContent is Optional list of projectable nodes to insert into the content section of the component, if exists.

10. How to create components?

Ans: To create component, go to project /src/app/app.component.ts file

In app.component.ts

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

```
@Component({
```

```
  selector: 'my-first-component',
```

```
  template: `<h3>Hello World</h3>`,
```

```
})
```

```
export class AppComponent { }
```