

1. What is Angular (Angular 2 & 4 & 5)?
2. Differences between Angular JS and Angular 2, 4, 5.
3. Pre requirements introduction
  - HTML
  - CSS
  - JavaScript
  - Any Server side Language knowledge (Ex: JAVA, .Net, PHP)
4. What is Typescript?
  - Features
  - Identifiers
  - Keywords
  - Data types
  - Functions
  - Classes & Interfaces
  - Lambda Functions
5. Angular Installation in 3 ways
  - Install Node.js and NPM
6. Architecture of Angular
7. Modules
  - Declaration
  - Exports
  - Imports
  - Bootstrap
8. Components
9. Templates
10. Metadata
11. Data binding
  - Attribute binding
  - Class binding
  - Style binding
  - Two-way binding
12. Directives
  - Attribute Directives
    - ✓ NgClass
    - ✓ NgStyle
    - ✓ NgModel

- Structural Directives
  - ✓ NgIf
  - ✓ NgFor
  - ✓ NgSwitch

## 13. Pipe

- DatePipe
- UpperCasePipe, LowerCasePipe, TitleCasePipe
- CurrencyPipe, PercentPipe, DecimalPipe
- SlicePipe

## 14. Services

## 15. Dependency injection

## 16. Using all above concepts Develop total project.

## 17. Forms concept

- Template-driven Forms
- Reactive Forms (Model Driven Forms)

## 18. Http and Ajax calls

## 19. Routing

- Router outlet
- Router links
- Router state
- Route Parameters

## 20. Angular 4 New Features

- if...else syntax in component HTML templates
- Standalone animation module
- TypeScript's StrictNullChecks compliancy
- Angular Universal adoption by team to live in core
- Performance boost with FESM

## 21. Angular+JAVA spring already developed application explanation

## 22. Angular 5 New Features

- Share Application State between server and client
- Build Optimizer
- Internationalized Number, Date, Currency Pipes
- exportAs metadata
- Form options
- New Router Lifecycle Events