

Angular 4

Day wise course contents

Day 1. ES6 & Typescript

TypeScript Setup

Let

Const

Template Strings

Fat Arrow Function

Destructuring

For Of

Map & Set

Promises

Classes & Interfaces

Decorators

Modules

Types

Day 2. Angular Quickstart

Angular 1 vs 2 vs 4

Introduction

Intro to Typescript

Writing our first Application

String Interpolation

Looping

Property & Event Binding

Domain Model

Nesting Components & Inputs

User Interaction & Outputs

Day 3. Components & Directives

- Architecting with Components
- Templates, Styles & View Encapsulation
- Content Projection
- Lifecycle Hooks
- View & Content Children
- Built-In Directives
 - NgFor
 - NgIf & NgSwitch
 - NgStyle & NgClass
 - NgNonBindable
- Structural Directives and *
- Custom Directives
 - Creating a Custom Directive
- HostListener & HostBinding
- Inputs & Configuration

Day 4. Reactive Programming with RxJs

Streams & Reactive Programming
Observables & RxJS
RxJS & Angular

Day 5. Pipes & Forms

Built-In Pipes

Async Pipe

Custom Pipes

Forms

Model Driven Approach

Model Driven Form Validation

Submitting & Resetting

Reactive Model Driven Forms

Template Driven Forms (Part 1)

Template Driven Forms (Part 2)

Day 6. Dependency Injection & Providers

Injectors

Providers

Tokens

Configuring Dependency Injection in Angular

NgModule.providers vs Component.providers vs Component.viewProviders

Day 7. HTTP

Core HTTP API (Part 1) Setup

Core HTTP API (Part 2) Usage

HTTP with Promises

HTTP with Observables (Part 1) - Basic Observables

HTTP with Observables (Part 1) - Observables All The Way Down

JSONP with Observables

Day 8. Routing

Route Configuration

Navigation

Parameterised Routes

Nested Routes

Router Guards

Routing Strategies