

TypeScript: Beginner to Advanced

Introduction to Typescript: Getting Started

- Introduction to TypeScript
- Setting Up Development Environment
- Data Types
- Variables
- var, let and const

TypeScript: Conditional Statements and Loops

- Conditional Statements
- if, if..else, switch statements
- Loops
- while loop
- for loop
- .in, for..of loops
- Strings

Object-Oriented Programming in TypeScript

- Object-Oriented Programming Concepts
- Access Modifiers
- Members and Accessors
- Inheritance
- Polymorphism
- Abstract Class and Interface
- Methods Overloading
- Constructors

TypeScript Concepts: Functions, Namespace and Modules

- Functions
- Function Parameters
- Generics
- Modules
- Namespace

Angular: Beginner to Advanced

Introduction to Angular

- Introduction to Angular
- Angular History
- x vs. Angular2+
- Development Tools
- Angular CLI
- Creating Project for Angular v5, v6, v9
- Angular App structure
- Angular with Visual Studio
- Angular Building Blocks

Angular Fundamentals

- Data Binding
- Directives
- Custom Directives
- Pipes
- Custom Pipes
- Routing
- Router Links and Route Parameters
- Nested Routes and Lazy Loading

Angular Components

- Angular Components
- Components Inheritance
- Nested Components
- Component Lifecycle Hooks
- Content Projection
- Shadow DOM
- View Encapsulation

Angular Forms and Validation

- Introduction to Angular Forms
- Forms and Form Controls State
- Template Driven Form
- Model Driven (Reactive) Form
- Angular Form Validations
- Template Driven vs React Form
- Custom Form Validations

Angular Advanced Concepts

- Introduction to ReactiveX
- Understanding Angular2 Services
- Introduction to Zone.js
- Observable and Observer
- Observable Operators

- Observable vs. Promises
- Dependency Injection
- Change Detection Strategies

Angular Unit Testing

- Tools and Technologies
- Writing First Test Case
- Isolated Testing
- Integration Testing
- Code Coverage
- Debugging

Angular App Optimization Techniques

- Introduction to App Optimization
- Looking into Bundle
- Lazy Loading
- Removing Shared Module
- Specifying Budgets

Angular NgRx: Getting Started

- Introduction to NgRx
- When to use NgRx
- NgRx Packages
- NgRx Store, Reducer and Selectors
- NgRx Effects
- NgRx DevTools