

Angular Course Content

1. Introduction to Angular 2,4,5,6
2. Introduction to TypeScript
3. Setting-up Environment for Typescript
4. Installing TypeScript Package
5. Steps to Prepare First App in TypeScript
6. Introduction to OOP & Creating Classes and Objects
7. Constructors
8. Inheritance
9. Method Overriding
10. Access Modifiers
11. Interfaces
12. Creating First App in Angular
13. Intro to Building Blocks of Angular & Angular Architecture
14. Folder Structure of Angular App
15. Intro to Angular Packages
16. @angular/cli Package
17. @angular/core package
18. @angular/common package
19. @angular/compiler package
20. JIT Compilation (vs) AOT Compilation
21. @angular/platform-browser-dynamic package
22. @angular/platform-browser package
23. @angular/forms package
24. @angular/router package
25. @angular/animations package
26. typescript package
27. core-js package

28. rxjs package
29. zone.js package
30. jasmine package
31. karma package
32. protractor package
33. Introduction to Components
34. Component Hierarchy
35. Metadata of Components
36. Quick Demo on Components and Templates
37. Introduction to Data Bindings
38. Interpolation Binding
39. Property Binding
40. Event Binding
41. Two-Way Binding
42. Login Form
43. Registration Form
44. View (vs) Content
45. Dynamic Data from Parent Component to Child Component
46. Overview of All Life Cycle Hooks
47. Life Cycle Hooks - Constructor
48. Life Cycle Hooks - ngOnChanges
49. Life Cycle Hooks - ngOnInit
50. Life Cycle Hooks - ngDoCheck
51. Life Cycle Hooks - ngAfterContentInit
52. Life Cycle Hooks - ngAfterContentChecked
53. Life Cycle Hooks - ngAfterViewInit
54. Life Cycle Hooks - ngAfterViewChecked
55. Life Cycle Hooks - ngOnDestroy
56. Project Introduction and Creating Components

57. Creating Modules
58. Creating Routes
59. Creating Login Form
60. Login Form with Bindings
61. Registration Form
62. ngIf, ngSwitch, ngFor
63. Template Driven Forms
64. Reactive Forms
65. Reactive Forms Validation Messages
66. Pipes, Custom Pipes
67. Life Cycle Hooks - ngOnChanges, ngOnInit
68. Life Cycle Hooks - ngDoCheck, AfterContentInit, AfterInit
69. Child Manipulation: ViewChild, ViewChildren, ContentChild, ContentChildren
70. Reference Names
71. Upgrade from Angular 5 to 6
72. Deploying Angular App into Apache Tomcat Server
73. Deploying Angular App into .NET
74. Deploying Angular App into NodeJS
75. style and ngClass
76. Services
77. Custom Directives
78. Introduction to AJAX
79. Setting-up Environment for NodeJS Ajax
80. Registration Form with AJAX
81. NodeJS AJAX - Login Form
82. Questions with AJAX
83. CRUD Operations with AJAX
84. Angular AJAX with Java Servlets
85. Http Interceptors

86. RxJS - Basics - Observable and Observer
87. RxJS - Advanced - Subject
88. RxJS Operators - take, skip, filter, map, retry, unsubscribe
89. Route Parameters
90. Child Routes
91. Intro to Guards, CanDeactivate Guard
92. CanActivate Guard
93. Unit Testing Basics in Angular
94. Unit Testing on Components in Angular
95. Animations
96. Angular Material - Basics
97. Angular Material - Buttons
98. Angular Material - TextBoxes
99. Angular Material - CheckBoxes
100. Angular Material - Radio Buttons
101. Angular Material - DropDownList
102. Angular Material - Autocomplete TextBox
103. Angular Material - DatePicker
104. Angular Material - Slide Toggle
105. Angular Material - Menu
106. Angular Zones