

## **ABHISHYANDH GLOBAL SOLUTIONS**

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## **Angular Course Contents**

Topics	SubTopics
Introduction to Angular	• What is Angular?
	Angular vs AngularJS
	Angular versions and their differences
	Angular CLI and project setup
TypeScript Basics	Introduction to TypeScript
	Data types and variables
	Operators and decision-making constructs
	Loops and arrays     Functions
	Classes and inheritance
	• Interfaces
	Generics
Components	Introduction to components
	Creating components manually and using CLI
	Registering components in modules

	Using registered components
	Nesting components
	Working with component templates and styles
	Understanding component selectors
Data Binding	Introduction to data binding
	Property binding
	Event binding
	Two-way data binding
	Binding to custom properties and events
	• View encapsulation
	• Local references in templates
	Accessing template and DOM with ViewChild
	Projecting content into components with ng-content
	Component lifecycle hooks
LOC	Introduction to directives
	Using nglf for conditional rendering
	Using ngFor for lists
	Styling elements dynamically with ngStyle
	Applying CSS classes dynamically with ngClass
	Creating basic attribute directives
	Using Renderer for better attribute directives
	Listening to host events using HostListener
	Binding to host properties using HostBinding

Services and Dependency Injection	Introduction to services
	Creating logging and data services
	Injecting services into components
	Understanding hierarchical injectors
	Injecting services into other services
	Using services for cross-component communication
Pipes	Introduction to pipes
	Using built-in pipes
	Parameterizing pipes
	Chaining pipes
	Creating custom pipes
	Pure and impure pipes
	Understanding async pipe
Routing	Introduction to routing
	Setting up routes
	Navigating between pages
	Passing parameters in routes
	Lazy loading modules
	Guarding routes
Forms	Introduction to forms
	Template-driven forms
	Reactive forms

	Validations	
	Custom validators	
HTTP Client	Introduction to HTTP client	
	Making GET, POST, PUT, DELETE requests	
	Handling errors	
	• Interceptors	
Angular Modules	Introduction to modules	
	Lazy loading modules	
	Optimizing apps with modules	
Angular Animations	Introduction to animations	
	Creating basic animations	
	Advanced animations	
Testing	Introduction to testing	
	Unit testing	
	Integration testing	
LOCUS OF PERFECTION		