

APEEC

transforming careers...

HTML

CSS

JS



ANGULAR

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HTML 5

- Introduction to HTML
- Web Page, Website
- URL, Domain, Hosting
- Static Pages Vs Dynamic Pages
- Introduction to HTML Tags
- Text Properties, Multimedia Tags.
- Linking Tag, List Properties
- Tables, Frames & Forms
- New Media Tags(Audio, Video)
- New Markup Elements
 - Address, article, base, figure
 - details, header, nav, footer
 - section tags.
- Canvas and SVG Tags
- Form Input Tags
 - Email, Color, Number, Date, URL
- New Form Attributes, Web Storage
- HTML5 Geo Location
- HTML5 Drag & Drop
- Meta tags

CSS 3

- Introduction of Css
- Types of Style Sheets, Syntax
- Difference Between Internal External & Inline
- Background Properties
- Heading properties, paragraph style's
- Paragraph border style's, table style's
- Text Properties, List Properties
- Difference Between div and span
- Hyperlink Tag Properties
- Psuedo Classes, Psuedo Elements
- Colors, Gradients
- RGB & HSL COLOR'S
- Drop Down Using CSS
- Multi Column Layout
- Media Queries
- Shadow Effects
- Border Properties
- Transformation (2D , 3D)
- Transitions
- Animations

JAVASCRIPT

- Introduction to JavaScript.
- Uses, Syntax, Comments
- Printing Statement
- Variables, Operators
- Conditions, Loops, Switch
- Functions (String , Date, Math)
- User Defined Functions
- Browser Compatibility
- Events, Cookies, Dialog Boxes.
- Page Redirection
- Form Validation
- Error Handling
- Regular Expressions



TypeScript

Introduction

- Limitation of JavaScript
- What is Typescript.
- Benefits of TypeScript
- Setup the Environment
- First Typescript code

Datatypes

- Basic Data Types
- String and Templated String
- Arrays • Tuple
- Enum • any and void
- null and undefined
- Type Inference
- Type Casting
- Difference between let and var
- Const declaration
- for...of vs for...in statement

OOPS

- Writing and Using Classes
- Constructor method
- Inheritance of classes
- Type casting
- Type Assertion
- Static Properties
- Abstract class

Interfaces

- Interface Declaration & Initialization
- Interface Implementation by class
- Interface having Optional Property
- Class extending another class
- Implementing an Interface
- Extending Interfaces

Function Types

- Optional and Default Parameters
- Rest Parameters
- Function Overloading • Function Types

Namespaces

- Introduction •Syntax with Example
- Compiling multiple TS files into single JS file

Modules

- Exporting & Importing of Modules
- Re-Export • Default Exports

What is Angular?

- Introduction
- AngularJS vs Angular
- Setup for local dev environment
- First Angular program
 - NodeJS & NPM
 - Visual Studio Code

Angular Architecture

- Building Blocks of Angular Appln
- Angular Modules
- @NgModule decorator
- Angular Libraries
- Component • Templates
- Metadata • DataBinding
- Directives • Services
- Dependency Injection

Displaying Data using Templates

- About Directives
- Components Properties
- Interpolation
- Built-In Directive
 - ngIf, ngFor, ngSwitch
- Create class for data (Model object)
- Template Expressions
- Working with Arrays
- vs <template>
- External HTML Template File

Data Binding

- Binding properties
- Interpolation
- One-way / Property Binding
- Event Binding
- Two-way binding with NgModel
- Attribute Binding
- Style Binding
- Class Binding

Styles Binding In Components

- Style & Class Bindings
- Built-In Directives
 - NgStyle & NgClass
- Using Component Styles
- Special selectors
- Loading Styles into Components



Advanced Component Features

- Components Life Cycle Hooks.
- Dynamic components
 - ngComponentOutlet

Template Driven Forms

- Introduction
- Initial form layout
- Bind data properties - ngModel
- Add name attribute
- Add custom CSS
- Show/hide error messages
- Form submission - ngSubmit
- Disable the form's submit button
- Resetting the form

Reactive Forms

- Reactive Forms Introduction
- Form Control Properties
- setValue & patchValue
- Validating Form Elements
- Submitting & Resetting forms
- Observing & Reacting to Form Changes
- Using FormBuilder

Pipes

- Built-in Pipes
- Parameters and chaining Pipes
- Custom Pipes
- Pipes and Change Detection
- Pure and Impure pipes

Custom Directives

- Custom Attribute Directive
- HostListener
- HostBinding
- Custom Validator Directive

Dependency Injection

- Dependency Injection
- DI in Angular Framework
- Reflective Injector
- Exploring Provider
- Types of Tokens
- Types of Dependencies
- Configuring DI using Providers
- Implementing DI in Angular
- Optional Dependencies





JAVA / PYTHON / .NET
FULL STACK



DATA SCIENCE



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