

Session 1: Introduction to HTML

- > HTML Basics, Elements, Attributes, Styles
- >Forms, Form Elements, Input Element Types
- >Input Attributes, File Paths, Script tag
- >HTML &XHTML

Session 2: Introduction to CSS

- * CSS Introduction, Syntax, Selectors, Styling
- * Pseudo class, Pseudo Elements
- * CSS Tables, CSS Box Models
- * CSS Opacity, CSS Navigation Bar, Dropdowns

Session 3: Introduction to JavaScript

- * JavaScript Statements, Keywords, Functions
- * JavaScript Programs, Operators, Functions
- * Function Parameters, Function Return Types
- * Data Types, Primitive Types

Session 4: Working with Objects

- * Object Oriented Programming, Object Creation
- * Adding Methods of Objects
- * JavaScript Loops & Iteration
- * Adding Properties of Objects
- * JavaScript Conditional Statements
- * Enumerating Properties, Callbacks, JSON

Session 5: Angular JS Basics

- * What is Angular JS?
- * Why Angular JS?
- * Why MVC matters
- * MVC-The Angular JS way
- * Features of Angular JS ,Model-View-Controller
- * My First Angular JS app

Session 6: Angular Expressions

- * All about Angular Expressions
- * How to use expressions, Angular vs JavaScript

Session 7: Filters

- * Built-In Filters, Using Angular JS Filters
- * Creating Custom Filters

Session 8: Directives

- * Introduction to Directives, Directive Lifecycle

- * Binding controls to data, Matching directives
- * Using Angular JS built-in directives
- * Creating a custom directive

Session 9: Controllers

- * Role of a Controller, Controllers & Modules
- * Attaching Properties and functions to scope
- * Nested Controllers, Using Filters in Controllers
- * Controllers in External Files

Session 10: Angular JS Modules

- * Introduction to Angular JS Modules
- * Bootstrapping Angular JS

Session 11: Angular JS Forms

- * Working with Angular Forms, Model Binding
- * Forms Events, Updating Models with a Twist
- * Form Controller, Validating Angular Forms
- * \$error object

Session 12: Scope

- * What is scope, Scope Lifecycle
- * Scope Inheritance, Scope & Controllers
- * Root scope, Scope Broadcasting
- * Two-way data binding, Scope Inheritance
- * Scope & Directives, \$apply and \$watch
- * Scope Events

Session 13: Dependency Injection & Services

- * What is Dependency Injection
- * Creating Services, Factory, Service & Provider
- * Using Dependency Injection, What are services
- * Using Angular JS built in services

Session 14: Single Page Application (SPA)

- * What is SPA, Pros and Cons of SPA
- * Passing Parameters, Changing location
- * Installing the ng Route module, Configure routes
- * Resolving promises, Creating a Single Page Apps

Session 15: Angular JS Animation

- * ng Animate Module, CSS Transforms
- * CSS Transitions, Applying Animations

Session 16: Introduction to Node JS

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- * Introduction to Node JS
 - * Advantages of Node JS
 - * What is Node JS, Node.js Process Model
 - * Traditional Web Server Model

Session 17: Setup Development Environment

- * Install Node.js on Windows
- * Working in REPL, Node JS Console

Session 18: Node JS Modules

- * Functions, Buffer, Module
- * Modules Types
- * Core Modules, Local Modules
- * Modules Exports

Session 19: Node Package Manager

- * What is NPM, Installing Packages Locally
- * Installing package globally
- * Adding dependency in package json
- * Updating packages

Session 20: Creating Web Server

- * Creating Web Server
- * Sending Requests
- * Handling http requests

Session 21: File System

- * read File, Writing a File
- * Opening a file, Deleting a file
- * Writing a file asynchronously
- * Other IO Operations

Session 22: Debugging Node JS Application

- * Core Node JS Debugger

Session 23: Events

- * Event Emitter class
- * Inheriting Events
- * Returning event emitter

Session 24: Express JS

- * Configuring Routes
- * Working with Express

Session 25: Serving Static Resources

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- * Serving Static Files
 - * Working with Middle Ware

Session 26: Database Connectivity

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- * Connecting String, Configuring
 - * Updating Records
 - * Working with Select Command
 - * Deleting Records