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SALIENT FEATURES:-

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- ★ Complete implementation of each example from scratch.
- ★ Never miss a single topic.
- ★ Complete digital notes.
- ★ Online training is also available.

Available Techonologies:

C, C++, Java, HTML, CSS, Angular, NodeJS, MEAN Stack, Salesforce

Assistance for:

Algorithms, Data Structures, Computer Graphics, Publishing Journal Papers Etc.



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MEAN Stack Training Program Proposal

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This program includes TypeScript, Angular, MongoDB [40H]* and will follow through direct implementation of concepts from 'Contents' with interview related theoretical points.

At the end of program participants will get notes and practical examples in soft form covered during the same.

Target audience: - anyone literate with OOP.

Prerequisites: - basics of Object Oriented Programming.

Contents

1. Typescript#

- a. Variables
- b. Named functions
- c. Anonymous functions
- d. JSON
- e. Classes

2. Angular

- a. Introduction
- b. Project Structure
- c. Component
 - i. @Component Decorator
 - ii. First component in angular
 - iii. Generating Component using Angular CLI
 - iv. Configuration file
 - v. Registering components in Configuration File
- d. Directives
 - i. ngModel

- ii. click
 - iii. ngFor
 - iv. ngIf
 - v. ngSwitch
 - vi. ngSubmit
- e. Single Page Application
 - i. Introduction to Routing and navigation
 - ii. Creating angular project with enabling Routing Options
 - iii. Basic Routing
 - iv. Configuring Routes
 - v. RouterOutlet
 - vi. Programmatic Navigation
 - vii. Nested Routing in SPA
 - viii. Passing and Getting route parameters in SPA
 - ix. Lazy Loading
 - x. Route Guards
- f. Custom Modules
 - i. Introduction
 - ii. Advantages
 - iii. Generating Modules using Angular CLI
- g. Custom Services
 - i. Generating Services using Angular CLI
 - ii. @Injectable Decorator
- h. Dependency injection
- i. Forms
 - i. TDF
 - ii. MDF
 - iii. Implementing Default Validations
 - iv. Implementing Custom Validations
- j. Component Communication
 - i. @ViewChild
 - ii. @ViewChildren
 - iii. @Input
 - iv. @Output
- k. Pipes
 - i. Predefined Pipes

- ii. Custom Pipes
 - 1. @Pipe Decorator
 - 2. Generating Pipes using Angular CLI
- l. Testing
 - i. Introduction
 - ii. What is automation Testing
 - iii. Types of Tests
 - iv. Jasmin With Karma
- m. Custom Directives
 - i. Manipulation of DOM elements
 - ii. Attribute type custom directives
 - iii. Structural type custom directives
- n. HTTP Services
 - i. Handling Errors
 - ii. Handling Unexpected Errors
 - iii. Handling Expected Errors
 - iv. Throwing Application-specific Errors
 - v. Handling Bad Request Errors
 - vi. Interceptor
 - vii. Http get request
 - viii. Http post request
 - ix. Series calls
 - x. Parallel calls
 - xi. Interaction with static files
 - xii. Interaction with MySQL
 - xiii. Token based authentication using MySQL
 - xiv. Interaction with MongoDB
- o. Mini-Project

3. Add on

- a. MongoDB
 - i. Introduction
 - ii. Installation
 - iii. MongoDB databases
 - iv. MongoDB Collections

- v. MongoDB Documents
 - vi. Inserting Documents
 - vii. Fetching Documents
 - viii. Updating Documents
- b. MySql

** Duration of program in approximate hours.*

includes ONLY required concepts.