



12. Scripting Language

12.2 Angular JS 2

Prerequisites:

1. HTML CSS
2. JavaScript

Duration: 30 Lectures

Course Content:

1. Angular2

- 1.1. Introduction to Angular2
- 1.2. Difference between AngularJs1.x and Angular2
- 1.3. Understand difference between other Web technologies like JSP, ASP.NET with Angular

2. IDE for UI technologies

- 2.1. Available Software to develop UI Frontend Web Applications
- 2.2. Atom, sublime ,eclipse ,etc.,
- 2.3. Visual studio code
- 2.4. Installation, using Visual Studio code

3. NodeJs

- 3.1. NodeJs importance
- 3.2. Introduction ,installation
- 3.3. NPM
- 3.4. Introduction, importance
- 3.5. Using npm

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4. Javascript

- 4.1. Introduction
- 4.2. Introduction and importance of JavaScript
- 4.3. Data types,
- 4.4. control structures (if, switch, loops)
- 4.5. JavaScript objects
- 4.6. String object, Array object (collections), Math Object
- 4.7. JavaScript functions
- 4.8. Understand functions FE, IIFE, Callback, Closures, etc.,

5. Json

- 5.1. Understand JSON
- 5.2. Create json objects and iterate
- 5.3. Json objects collection

6. Type script

- 6.1. Introduction
- 6.2. OOPs concepts
- 6.3. OOPs features
- 6.4. Introduction to typescript
- 6.5. Installation
- 6.6. OOPs using Typescript
- 6.7. Classes, object, inheritance
- 6.8. Enum, etc.,

7. Angular2+

- 7.1. Introduction
- 7.2. Angular Project File structure
- 7.3. Angular Modules
- 7.4. Angular component
- 7.5. UI Page
- 7.6. Interpolation
- 7.7. Events



7.8. Data binding

7.9. Directives and Pipes

8. Nodejs

8.1. http module

8.2. Expressjs module

8.3. MongoDB

9. Web Services

9.1. Introduction

9.2. Routing

9.3. Testing

9.4. Consume Web Services http service

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