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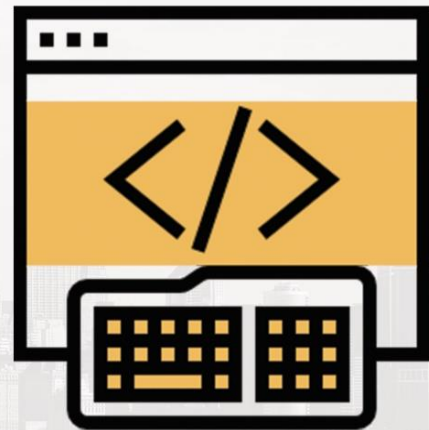
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Advanced
Web Development

Quick Contact

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HTML5

- Introduction
- What is difference between HTML and HTML5?
- HTML Overview
- DOCTYPE
- HTML Attributes
- Text Formatting
- Script tag
- Link tag
- Image tag
- Div tag
- Span tag
- Kbd tag
- Code tag
- Paragraph
- Pre
- HTML Tables
- HTML Lists
- Iframes
- HTML Web Storage
- Semantic Element
- HTML Media
- HTML Audio and HTML Video

CSS3

- What is CSS?

- CSS Inclusion

- CSS Fonts

- CSS Text

- CSS links

- CSS Tables

- Margin property

- Padding property

- CSS Lists Styles

- CSS Cursors

- CSS Overflow

- CSS Position

- Pseudo Classes

- Pseudo Elements

- Animation

- Media Query

- Box Sizing

BootStrap

- Overview

- Grid System

- Typography

- Code

- Tables

- Forms

- Buttons

- Images

- Helper classes

- Responsive utilities

JAVASCRIPT

- Introduction

- Variable Declaration

- Arithmetic Operations

- Array

- Array Methods

- String

- String Method

- JavaScript Function

- Function Closure

- Prototype Chaining

- Regular Expression

- Error Handling

- Event Listener

- Date Methods

- JavaScript Form Validations

- Navigator

- E6 Features

jQuery and Ajax

- What is JQM?

- What is notjQM?

- What is a webapp?

- Why jQM?

- Features

- Compatibility

- Requirements

- Emulators, Simulators & more & Viewports on mobile browsers

- Architecture o Self hosted vs. CDNs

- Headers and footers basics

- Navigation

- Internal page navigation

- External page navigation

- Understanding AJAX on mobile browsers

- Absolute external links

- Mobile Special links

- Transitions

- Dialogs

- Prefetching

- UI Components

- Buttons

- Lists

- Forms

- The framework and JavaScript

- Dynamic data with jQuery Mobile

- Extending the framework

- Managing data with HTML5

- Packaging for installation and stores

ANGULARJS

- What is AngularJS?

- What is Single Page Application?

- Features, Advantages of AngularJS

- MVC and MVVM structure

- Services

- Dependency injection

- Controllers

- Directives

- Built-in Directives

- Template

- Routing (with server configurations)

- Digest Cycle (Watcher in AngularJS)

TYPESCRIPT

- Introduction
- Features of Typescript
- Why use Typescript
- Component of Typescript
- Typescript – Environment Setup
- Basic Syntax (Compiler Flags, Identifiers & Object Orientation)
- Inferred Typing in Typescript
- Variable Declaration Types
- Tuples, Enum, Nullable, Union (New types in Typescript)
- Typescript Decision making conditions
- Typescript Function
- Inheritance and Constructor
- Static properties and Methods
- Abstract Class
- Private Constructor and Singletons
- Namespace Modules

ANGULAR 5

- Angular Environment Setup (Angular CLI)
- Angular Project Setup
- Components
- Modules
- Templates
- Dependency Injection
- Data Binding
- Event Binding
- Directives & Custom pipe (Structural or Attribute directives)
- Pipe & Custom pipe
- Services
- Routing
- Http-module
- Observables & Rxjs

PHP and MySQL

- What is PHP?

- The history of PHP

- Why choose PHP?

- Installation overview

- Embedding PHP code on a page

- Outputting dynamic text

- The operational trail

- Inserting code comments

- Variables

- Strings

- String functions

- Numbers part one: Integers

- Numbers part two: Floating points

- Arrays

- Associative arrays

- Array functions

- Booleans

- NULL and empty -Type juggling and casting –Constants

- Control Structures: Logical Expression

- Control Structures: Loops

- User-Defined Functions

- Debugging

- Building Web Pages with PHP

- Working with Forms and Form Data

- Working with Cookies and Sessions

- MySQL Basics

- Building a Content Management System (CMS)

- Using Site Navigation to Choose Content

- Application CRUD

- Building the Public Area

- Regulating Page Access

- Advanced PHP Techniques

- Object-Oriented Programming (OOP)

- OOP in Practice

- Sending Emails

Other Activities

Assessments

•Objective Assessments

-- Syntactical based

-- Scenario based

Note: At least 2 objective based assessments in each module

•Hands On – Practical Assessments

-- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

•Hands On – Practical Assignments

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

•Regular tasks on each module

Note: Tasks are focused more to improve self learning

- Free Career Counselling
- Mini POC (2 Projects)
- Assessments (3)
- Resume Building (2 level)
- Mock-up Interview sessions
- Technical Meetups (2 sessions)