

Full Stack Web Development with PHP

Introduction to Web Technologies

Role of Web Designer

Intro of Web Languages

HTML

CSS

Javascript

Safety to be taken during Designing

Basics of Web Technologies

Introduction to Web Technologies

Scope of Website and Role of Web Designer in Web Technologies

How the website works ?

Client and Server Software.

Static and Dynamic Websites

Web Standards and W3C.ORG

HTML / XHTML

Markup Languages

Structure of HTML

Basic HTML Tags

HTML Elements

HTML Attributes

HTML Headings

HTML Paragraphs

HTML Formatting

HTML Styles

HTML Links

HTML Images

HTML Tables

HTML Lists

HTML Forms

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HTML Iframes

Difference between HTML & XHTML

XHTML Basics

Introduction to Doc Types

HTML Advanced

HTML Layout

HTML Doctypes

HTML CSS

HTML Head

HTML Meta

HTML Scripts

HTML Entities

HTML URLs

HTML Webserver

HTML Summary

Web Design with CSS

Introduction to Cascading Style Sheets

Types of Style Sheets

Types of CSS Selectors

CSS properties

CSS Styling

Styling Backgrounds

Styling Text

Styling Fonts

Styling Links

Styling Lists

Styling Tables

CSS Box Model

CSS Box Model

CSS Border

CSS Outline

CSS Margin

CSS Padding

CSS Advanced

CSS Grouping/Nesting

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CSS Dimension

CSS Display

CSS Positioning

CSS Floating

CSS Align

CSS Pseudo-class

CSS Pseudo-element

CSS Navigation Bar

CSS Image Gallery

CSS Image Opacity

CSS Image Sprites

CSS Media Types

CSS Attribute Selectors

CSS Fixed Vs Liquid Layout

Custom CSS Layout Design

Creating simple and dropdown menus

Creating Appealing forms using CSS

CSS Tips and Optimization Techniques

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Web Hosting Training

Web Hosting Basics

Types of Hosting Packages

Linux and Windows Control Panel

Using FTP Client

Maintaining a Website

Domain Names Registration, Subdomain

UI Development

Java Script

What is Javascript?

Client side Vs Server Side JavaScript

Javascript Variables

Javascript Comments

Javascript Datatypes

- o Primitive Datatype

- o Reference Datatype

JavaScript operators

Javascript Strings

JavaScript Numbers

Javascript DOM

DOM Selectors

JavaScript CSS

JavaScript Events

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Event Listeners

Event Propagation

- o Event Bubbling
- o Event Capturing

Javascript Functions

Javascript Conditions

- o If else statement
- o Switch Statement

Javascript Loops

- o While Loop
- o Do While Loop
- o For Loop
- o For in loop

Javascript Try Catch

Javascript Arrays

JavaScript Objects

JavaScript Timing Functions

Javascript Window Objects

Javascript Screen Objects

Javascript History Objects

Javascript Location Objects

Javascript Navigator Objects

Javascript Date Objects

Javascript Math Object

Javascript Regex Object

Javascript Cookies

Javascript Form Validations

JavaScript Debugging

AJAX

XMLHttpRequest

Ajax get and post

Ajax Send

Ajax onreadystatechange

Fetch JSON data through Ajax

Fetch API data through Ajax

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JQUERY

- Jquery Syntax
- Jquery Versions, CDNs
- Jquery Selectors
- Jquery Events
- Jquery HTML
- Jquery CSS
- JQuery Animation
- Conflict with jquery
- Customized Jquery Apps
- JQuery Menus
- Jquery Image Slider
- JQuery Accordions & Collapsible.
- Scrolling Contents.
- Jquery UI Library
- Jquery Lightbox
- Jquery Scrolling Effects
- Jquery Plugins

HTML5 and CSS3

- Why do we need HTML5?
- What happened to XHTML?
- A tiny history of markup
- The promise of a semantic web

The New and the Old

- New structural tags
- New content tags
- New attributes
- Deprecated elements
- Semantic tagging

Document Structure

- Structuring top-level elements
- Structuring interior content

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Building headers

Checking document outlines

Navigation elements

New Form Controls

New input types

Setting form autofocus

Using placeholder data

Marking required fields

Working with number inputs

Validate Form using Html5

Video and Audio

Video overview

Audio and video containers

Audio and video codecs

Supported formats

Custom Controls using Javascript

HTML5 Web Storage

Local Storage

Session Storage

Introducing CSS3

What's new in CSS3

Why do we need it?

CSS3 and HTML5

CSS3 and JavaScript

Corners, Colours, Backgrounds

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Rounded corners
Colour and opacity
Border Image
Gradients
Multiple backgrounds

Techniques and Effects

Text and box shadows
Scaling and transformations

Fonts and Text Handling

Multi-column layout
@font-face
Google Fonts service

Transformation & Animation

Scaling, skewing and rotating
Working with transition

HTML5, CSS3 Here and Now

Current browser support
Mobile support
HTML5 Old Browser Support

Responsive Layouts

Understanding Responsive Behaviour
12 Grid layout (1200px) For Large Screen Desktop
12 Grid layout (960px) For Medium Screen Desktop.
12 Grid layout (768px) For Tablets & IPads .
6 Grid layout (100%) For Smartphones.
Create responsive Layouts using CSS Media Query.
Responsive Layouts Debug and Testing

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Bootstrap Framework

Twitter Bootstrap Introduction and use

Installation of Bootstrap

Bootstrap CSS & JS

Bootstrap Image Slider

Bootstrap Menus

Bootstrap Components (Model Form)

Bootstrap Project

Dynamic Webpage Development (PHP 7)

Installation

Installation of PHP, MySQL or MariaDB and Apache

Installation of IDE

Introduction to PHP

About Website Development

What is PHP

Why PHP is better than others

What is WAMP

What is Apache Server

PHP Syntax

Comments in PHP

PHP Variables

PHP is loosely typed language

How to display output

Datatypes and variable declaration

Datatype conversion

Using comments

Operators

Type casting

Control flow in PHP

Conditionals

The if statement

The else statement

The else if statement

The switch statement

Looping

while loop

do...while loop

for loop

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breaking out of a loop

Arrays in PHP

Numerically Indexed arrays

Associative arrays

Assignment using the array keyword

foreach loop

Multidimensional arrays

Super global arrays

Functions in PHP

String functions

Date time functions

Array functions

Checking of function existence

Create your own functions

Call by value

Call by reference

Global variables in functions

Variables Scope

Form Handling in PHP

Difference between GET and POST

Building Forms

Retrieving submitted data

Reusing Code in PHP

include statement

include_once statement

require statement

require_once statement

Breaking HTML, CSS template and reuse of it

OOPS programming in PHP

Declaring a class

Creating an object

Accessing objects

Cloning objects

Constructors

Destructors

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- Writing methods
- Declaring properties
- Declaring constants
- Property and method scope
- Static properties and methods
- Inheritance
- Namespaces

Exception Handling In PHP

- Types of errors
- @ operator
- try block
- catch block

Cookies in PHP

- Setting a cookie
- Accessing cookie
- Destroying a cookie
- Cookie based voting script

Session in PHP

- Starting a session
- Ending a session
- Insert value in session
- Show value from session
- Update value of session
- Destroy value of session
- Session id

Database Programming in PHP using MySQL or MariaDB

- Basic of database
- What is table?
- What is database?
- RDBMS
- What is SQL?

Introduction to MySQL or MariaDB

- Accessing MySQL or MariaDB from command line
- Accessing MySQL or MariaDB via phpMyAdmin

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Import and export of database

SQL using MySQL or MariaDB

Creating a database

Selecting database

Datatypes

Creating a table

Inserting data into table

Show data from table

Show filtered data from table

Update data in table

Delete data from table

Drop table

Drop database

Constraints

Different types of clauses

Subqueries

Joins

Query optimize

Accessing MySQL or MariaDB using PHP

Executing select query using mysqli

Executing non select query using mysqli

More PHP

Uploading and Downloading in PHP

CRUD (MySQL) Grid

GD Library

Upload website from localhost to server

SEO friendly URL's

Redirection and hashing

Authentication (User Registration, Login, Logout etc.)

Regular expression

Client side and server side validation

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- Sending email through coding
- HTTP request by programming
- CAPTCHA
- Configure PHP.INI
- .htaccess file

Ajax

- What is Ajax?
- Synchronous Ajax
- Asynchronous Ajax
- GET method
- POST method
- JSON example
 - How to create Ajax Tab
 - Country State City with Ajax
 - Ajax like dislike script
 - Check user availability

Web services

- Introduction to web service
- Introduction to JSON
- Creating web service
- Consuming web service
- JSON parsing

MVC Framework

- What is MVC Framework
- Why it is required
- How MVC Framework works