



Web Development

Core PHP

Introduction to PHP

Evaluation of Php
Basic Syntax
Defining variable and constant
Php Data type
Operator and Expression

Handling Html Form With Php

Capturing Form Data
Dealing with Multi-value filed
Generating File uploaded form
Redirecting a form after submission

Decisions and loop

Making Decisions
Doing Repetitive task with looping
Mixing Decisions and looping with Html

Function

What is a function
Define a function
Call by value and Call by reference
Recursive function

String

Creating and accessing String
Searching & Replacing String
Formatting String
String Related Library function

Array

Anatomy of an Array
Creating index based and Associative array
Accessing array Element

Looping with Index based array
Looping with associative array using each() and foreach()
Some useful Library function

Working with file and Directories

Understanding file& directory
Opening and closing a file
Coping ,renaming and deleting a file
Working with directories
Building a text editor
File Uploading & Downloading

Mini Project (With file Handling)

State management

Using query string(URL rewriting)
Using Hidden field
Using cookies
Using session

String matching with regular expression

What is regular expression
Pattern matching in Php
Replacing text
Splitting a string with a Regular Expression

Generating Images with PHP

Basics of computer Graphics
Creating Image
Manipulating Image
Using text in Image

Database Connectivity with MySQL

Introduction to RDBMS
Connection with MySQL Database
Performing basic database operation(DML) (Insert, Delete, Update, Select)
Setting query parameter
Executing query
Join (Cross joins, Inner joins, Outer Joins, Self joins.)

Mini Project

Angular JS

Introduction to Angular.JS:

- Advantages of Angular
- DOM Elements

Angular Setup:

- Installing Angular JS
- Configuration of Angular JS
- Structure of an Angular JS Application

Angular Architecture:

- Creating Boundaries using ng-app
- Data Binding – one way binding and two way binding
- Repeating elements using ng-repeat
- Using Expressions and NG-Class
- Using Controllers
- Adapting to model changes

Angular.js Building Blocks:

- View Component
- Angular JS Scopes
- Controller Component
- Directives
- Filters
- Services

Using Filters

- Understanding Filters syntax and expression
- Building your own custom Filters

Services

- Services Syntax
- Understanding Services Injecting Concepts

Directives

- Understanding Directives Syntax
- Directive Definition Object for your custom defined syntax
- How to link directives
- Components Creation