



STELLAR
TECH PRO



php

MySQL

PHP/MySQL

Course Duration
35-40 hours

Sessions: 20

Level: Basic | Intermediate | Advanced



PHP Training

- HTML
- CSS/Bootstrap
- Javascript/Jquery

An Introduction to PHP

- History of PHP
- Versions and Differences between them
- Practicality
- Power
- Installation and configuring Apache and PHP

PHP Basics

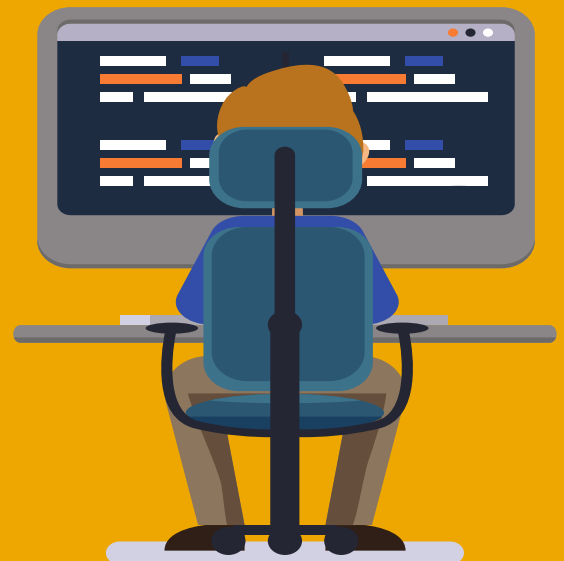
- Default Syntax
- Styles of PHP Tags
- Comments in PHP
- Output functions in PHP
- Data types in PHP
- Configuration Settings
- Error Types

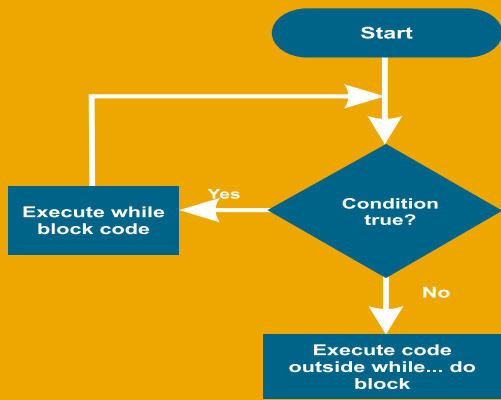
Variables in PHP

- Variable Declarations
- Variable Scope
- PHP's Super global Variables
- Variable Variables

Constants in PHP

- Magic Constants
- Standard Pre-defined Constants
- Core Pre-defined Languages

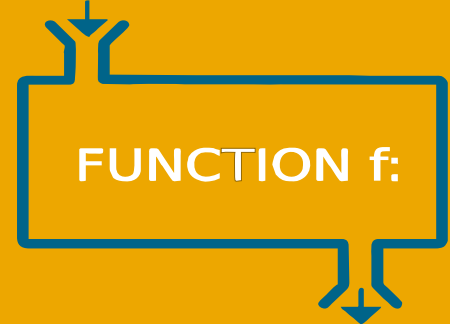




Control Structures

- Execution Control Statements
- Conditional Statements
- Looping Statements with Real time Examples

INPUT x



OUTPUT f(x)

Functions

- Creating Functions
- Passing Arguments by Value
- Passing Arguments by Reference
- Recursive Functions

Arrays

- What is an Array?
- How to create an Array
- Traversing Arrays
- Array Functions

Include Functions

- Include, Include_once
- Require, Require_once

Object Oriented Programming in PHP

- Classes, Objects, Fields, Properties, set(), Constants, Methods
- Encapsulation
- Inheritance and types
- Polymorphism
- Constructor and Destructor
- Static Class Members, Instance of Keyword, Helper Functions
- Object Cloning and Copy
- Reflections

```
<?php
```

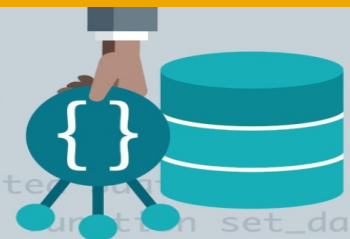
```
class Bicycle {
```

```
    static protected $database;
```

```
    static public function set_data($database) {
```

```
        self::$database = $database;
```

```
    }
```





Introduction to Strings and Regular Expressions

Working with the Files and Operating System

- File Functions
- Open, Create and Delete files
- Create Directories and Manipulate them
- Information about Hard Disk
- Directory Functions
- Calculating File, Directory and Disk Sizes

Sessions

- Session Variables
- Creating and Destroying a Session
- Retrieving and Setting the Session ID
- Encoding and Decoding Session Data
- Auto-Login
- Recently Viewed Document Index

Ajax

- Introduction
- XMLHttpRequest
- AJAX - Send a Request To a Server
- AJAX - Server Response

PHP with MySQL

- What is MySQL
- Integration with MySQL
- MySQL functions
- Gmail Data Grid options
- SQL Injection
- Uploading and downloading images in Database
- Registration and Login forms with validations
- Paging, Sorting

Introduction to Error and Exception Handling

Date and Time Functions Authentication Cookies

- Why Cookies
- Types of Cookies
- How to Create and Access Cookies

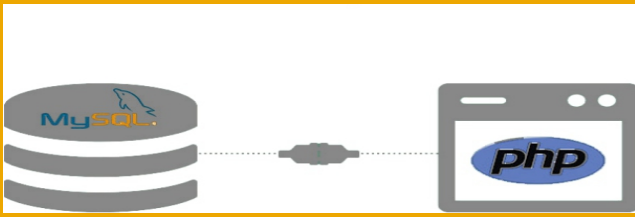
Introduction to Web Services & XML Integration

MySQL Concepts

- Introduction
- Storage Engines, Views & Joins



SQL Server Fundamental



Creating Databases Objects

- Designing SQL Server databases.
- Creating your first table.
- Summary



Creating other database objects

- Create and alter Views.
- Create and alter Stored Procedures.
- Summary

Combining Sets

- Joins (Inner, cross and outer)
- Set Operator (intersect, except and union)
- Summary

Working with Datatype

- Introduce data types
- Data type usage
- Converting data types
- Summary

Working with Function

- String and Date Time Functions.
- Aggregate and Logical functions.
- Working with User defined function
- Summary

Filtering and Sorting Data

- Using Order by clause to sort data.
- Filter data with TOP, offset and fetch.
- Summary

Working with Data

- Query data with Select statement.
- Implement Sub and aggregate Queries.
- Summary



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