**Day 1: PHP Fundamentals & MySQL**

1. PHP Basics (Syntax, Variables, Loops, Conditionals)

What is PHP?

- Server-side scripting language for dynamic websites

- Files use `.php` extension

- Runs on web servers (Apache, Nginx)

**Basic PHP Structure**

*<?php*

*// PHP code goes here*

*?>*

**Variables & Data Types**

*$name = "John"; // String*

*$age = 25; // Integer*

*$price = 9.99; // Float*

*$is\_active = true; // Boolean*

*$fruits = ["Apple", "Banana"]; // Array*

**Conditional Statements**

*// If-else*

*if ($age >= 18) {*

*echo "Adult";*

*} else {*

*echo "Minor";*

*}*

**Ternary**

*echo ($age >= 18) ? "Adult" : "Minor";*

**Loops**

*for ($i = 0; $i < 5; $i++) {*

*echo $i . "<br>";*

*}*

**// Foreach Loop (for arrays)**

*foreach ($fruits as $fruit) {*

*echo $fruit . "<br>";*

*}*

**// While Loop**

*$count = 1;*

*while ($count <= 3) {*

*echo "Count: $count<br>";*

*$count++;*

*}*

**Exercise:**

1. Create a PHP script that checks if a number is even or odd

2. Print all numbers from 1-20, skipping multiples of 5

**2. PHP Functions & Forms**

Basic Functions

f*unction greet($name) {*

*return "Hello, $name!";*

*}*

*echo greet("Alice");*

**Handling HTML Forms**

*<!-- form.html -->*

*<form action="process.php" method="post">*

*<input type="text" name="username">*

*<input type="submit" value="Submit">*

*</form>*

**// process.php**

*$username = $\_POST['username'];*

*echo "Welcome, $username!";*

**Exercise:**

Create a form that accepts a number and displays its square

**3. PHP + MySQL (Connecting, Querying)**

Connecting to MySQL

*$conn = mysqli\_connect("localhost", "root", "", "student\_db");*

*if (!$conn) {*

*die("Connection failed: " . mysqli\_connect\_error());*

*}*

**Basic CRUD Operations**

**// INSERT**

*$sql = "INSERT INTO students (name, email) VALUES ('John', 'john@example.com')";*

*mysqli\_query($conn, $sql);*

**// SELECT**

*$result = mysqli\_query($conn, "SELECT \* FROM students");*

*while ($row = mysqli\_fetch\_assoc($result)) {*

*echo $row['name'] . "<br>";*

*}*

**// UPDATE**

*$sql = "UPDATE students SET email='new@email.com' WHERE id=1";*

*mysqli\_query($conn, $sql);*

**// DELETE**

*$sql = "DELETE FROM students WHERE id=1";*

*mysqli\_query($conn, $sql);*

**Exercise:**

Create a PHP page that displays all students in a table with edit/delete options

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## \*\*Day 2: CMS & Laravel MVC\*\*

\*(Content remains the same as original document)\*

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### \*\*Key PHP Fundamentals Added:\*\*

✅ Variables & Data Types

✅ Conditional Statements

✅ Functions

✅ Form Handling

✅ MySQL CRUD Operations

This expanded version provides a stronger foundation while keeping the lesson practical and hands-on! 🚀