PHP & MYSQL COURSE SYLLABUS FOR KIDS

❖ Day 1: Introduction to Web Development and Databases

➢ Understanding the basics of web development and databases
➢ Introduction to PHP and MySQL and their roles in web development
➢ Setting up a development environment for PHP and MySQL

❖ Day 2: Getting Started with PHP

➢ Learning basic PHP syntax and structure
➢ Writing and executing simple PHP scripts
➢ Understanding variables, data types, and operators in PHP

❖ Day 3: Conditional Statements

➢ Understanding conditional statements (if, else, elseif) in PHP
➢ Learning how to use conditional statements to control program flow
➢ Hands-on practice writing conditional statements in PHP scripts

❖ Day 4: Loops and Iteration

➢ Introduction to loops (for, while, do-while) in PHP
➢ Learning how to use loops for repetitive tasks
➢ Hands-on practice with different types of loops in PHP scripts

❖ **Day 5: Arrays**

➢ Understanding arrays and their importance in PHP
➢ Learning how to create and manipulate arrays
➢ Hands-on practice working with indexed arrays, associative arrays, and multidimensional arrays

❖ **Day 6: Functions**

➢ Introduction to functions and their role in modular programming
➢ Learning how to create and use functions in PHP
➢ Hands-on practice writing and calling functions in PHP scripts

❖ **Day 7: Introduction to MySQL**

➢ Understanding what MySQL is and its role in database management
➢ Learning basic MySQL syntax for creating databases and tables
➢ Setting up a MySQL database and creating sample tables

❖ **Day 8: Connecting PHP to MySQL**

➢ Learning how to establish a connection between PHP and MySQL
➢ Understanding basic SQL queries for data retrieval and manipulation
➢ Hands-on practice executing MySQL queries from PHP scripts

❖ Day 9: Working with Forms and Databases

➢ Understanding HTML forms and their interaction with PHP and MySQL

➢ Learning how to process form data and insert it into a MySQL database

➢ Hands-on practice creating forms and processing data with PHP and MySQL

❖ Day 10: Retrieving Data from MySQL Database

➢ Learning how to retrieve data from a MySQL database using PHP

➢ Understanding basic SELECT queries for data retrieval

➢ Hands-on practice retrieving and displaying data from a MySQL database

❖ Day 11: Updating and Deleting Data in MySQL Database

➢ Learning how to update and delete data in a MySQL database using PHP

➢ Understanding basic UPDATE and DELETE queries

➢ Hands-on practice updating and deleting data in a MySQL database using PHP

❖ Day 12-13: Application Projects

➢ Students work on individual or group projects applying PHP and MySQL skills learned so far

➢ Projects may include building a simple content management system, creating a user registration system, or developing a basic e-commerce website

➢ Guidance and feedback provided by instructors as students work through their projects

❖ Day 14: Project Presentations and Feedback

➢ Students present their completed projects to peers or parents
➢ Feedback session: peers provide constructive feedback on each other's projects
➢ Reflection: students reflect on their learning experience and the application of PHP and MySQL skills in their projects

❖ Day 15: Review and Recap

➢ Reviewing key concepts covered throughout the course
➢ Recapping important PHP and MySQL features and techniques
➢ Providing additional practice opportunities and challenges for students to reinforce their learning