**[Course Timeline]**

📢Section 1: Welcome to Course

🪄Course Overview - 00:00

🪄Projects Walkthrough - 00:49

📢Section2: Course Content Walkthrough

🪄Watch before you start - 07:17

📢Section3: [OPTIONAL] Basics of HTML

🪄Section Intro – 11:05

🪄What is HTML – 11:49

🪄Tags In HTML – 16:28

🪄Elements in HTML – 20:56

🪄Attributes in HTML – 23:56

🪄HTML Table – 29:20

🪄HTML Lists – 39:02

🪄HTML Form – 45:03

🪄Semantic HTML – 56:28

🪄HTML Structure – 01:00:54

📢Section 4: All you need to know about PHP

🪄Section Intro – 01:06:53

🪄Analogy to understand PHP – 01:08:25:06

🪄Introduction to PHP – 01:17:00

🪄Client Server Model – 01:25:08

🪄What Can be done using PHP – 01:29:18

🪄Advantages of using PHP - 01:33:06

🪄Is PHP not a Programming Language – 01:38:47

📢Section 5: Getting Started with PHP and Environment Setup

🪄What is XAMPP – 01:47:28

🪄Install XAMPP – 01:50:17

🪄Code Editor Setup – 01:57:11

🪄File Structure in XAMPP – 02:01:33

🪄PHP File and its Syntax - 02:05:13

🪄First PHP Website- Hello World Program – 02:10:49

📢Section 6: Basics of PHP

🪄Section Intro – 02:12:54

🪄PHP echo and print – 02:14:05

🪄Usage and Types of Comments(single,multiple and hash comments) – 🪄02:21:12

🪄Embed PHP in HTML / HTML in PHP – 02:29:31

🪄PHP in JavaScript / JavaScript in PHP – 02:34:13

🪄Whitespace in PHP – 02:37:13

🪄Escape Character in PHP – 02:39:09

🪄include files in PHP – 02:44:38

🪄require files in PHP – 02:50:07

🪄include once and require once in PHP – 02:53:32

🪄Exercise – 02:57:41

📢Section 7: Knowledge Require for PHP Projects

🪄Section Intro - 03:09:09

🪄What is Database – 03:12:31

🪄Understanding MySQL – 03:17:16

🪄Connecting to MySQL in cmd prompt – 03:22:53

🪄Connecting to MySQL via Graphical User Interface(GUI) – phpMyAdmin - 03:27:34

🪄Introduction to SQL (Structured Query Language) – 03:32:19

🪄Exploring phpmyadmin- Creating users inside phpMyAdmin – 03:37:34

🪄Creating Database and Tables - 03:42:18

🪄Commands – Walkthrough – 03:48:03

🪄Connecting to database (mysql and mysqli) - 03:54:46

🪄Important functions of mysqli: mysqli\_connect() ,mysqli\_connect\_error() , mysqli\_close() - 04:03:12

🪄Arrays and Associative arrays - 04:07:58

🪄Form attributes – 04:18:50

🪄Include connect file – 04:28:21

🪄Global variable - $\_GET (get method) - 04:32:48

🪄Global variable - $\_POST (post method) – 04:40:11

📢Section 8: !IMPORTANT [PROJECT #1] PHP CRUD Operation

🪄Section Intro - 04:46:21

🪄Project Demo - 04:48:12

🪄Accessing values from form - 04:50:50

🪄Insert Data into Database – 04:59:03

🪄Reading single data from Database – 05:11:10

🪄Reading all data of Database – 05:22:49

🪄Display Data in table – 05:26:23

🪄Update data - Part 1 -id – 05:32:12

🪄Update data - Part 2 - data selecting – 05:39:38

🪄Update data - Part 3 - update query – 05:48:32

🪄Redirecting to specific page -05:58:25

🪄Delete Data – 06:05:50

🪄Display number in series – 06:13:19

🪄Fixing Header if no records – 06:18:28

🪄Important Function revision , mysqli\_query ,mysqli\_error , die method, mysqli\_num\_rows, mysqli\_fetch\_assoc - 06:24:06

📢Section 9: PHP Variables and Constants

🪄Section Intro – 06:31:59

🪄What are variables – 06:34:43

🪄Define and Declaring Variable – 06:39:18

🪄Working with DataTypes – 06:43:29

🪄Rules of creating a variable – 06:56:37

🪄Use of Single and Double Quotes – 07:07:06

🪄Variable Typing – 07:12:27

🪄Variables in Functions – 07:19:46

🪄Does case sensitivity apply for all? – 07:28:28

🪄PHP Scope: Local Scope – 07:31:52

🪄PHP Scope: Global Scope – 07:40:00

🪄PHP Scope: Static Scope – 07:49:55

🪄Superglobal variables – 07:55:46

🪄Variables of Variables – 08:04:59

🪄Isset() in variables – 08:12:39

🪄What are constants – 08:17:24

🪄More on Constants – 08:23:57

🪄Variables v/s constants – 08:31:09

🪄Rules of creating constants – 08:39:09

🪄Valid and Invalid constants – 08:45:50

🪄Magic constants – 08:52:15

📢**Section 10: [PROJECT #2] Validating Form**

🪄Section Intro - 08:58:06

🪄Project Demo - Validating form - 09:02:29

🪄Source Code Navigation - 09:06:53

🪄htmlentities and htmlspecialchars Explaination – 09:08:23

🪄htmlentities and htmlspecialchars implementation – 09:19:03

🪄Username and Place validation - 09:27:57

🪄Validating Username and Place: str\_replace() - 09:32:25

🪄Validating Username and Place: ucfirst ( ) and strtolower( ) - 09:40:44

🪄Extra validation for Username and Place – 09:48:56

🪄Assign validation message for Username and Place – 09:55:12

🪄Display validation message for Username and Place - 10:00:02

🪄filter\_var and FILTER\_VALIDATE\_EMAIL – 10:07:46

🪄Email Validation - 10:21:09

🪄Assign and Display validation message for Email - 10:28:38

🪄Phone Validation – 10:31:41

🪄Required all Fields validation - 10:39:34

🪄Username and Email Exist - Part 1 – 10:44:57

🪄Username and Email Exist - Part 2 – 10:51:17

🪄Username and Email Exist validation message - 10:56:51

🪄MySQL blocked port error – FIXED - 11:01:58

🪄Inserting validated Data - 11:04:21

🪄mysqli\_real\_escape\_string - 11:08:31

🪄Escape all field - 11:15:14

🪄JavaScript Code - Clear Validation message - 11:20:38

📢**Section 11: Expression and Operators**

🪄Section Intro - 11:27:47

🪄What are Expressions - 11:29:37

🪄What are Operators - 11:32:51

🪄Different types of Operators - 11:35:58

🪄Arithmetic Operators - 11:38:37

🪄Conditional Operator - 11:51:56

🪄Comparison Operator - 12:00:27

🪄Logical Operator - 12:08:58

🪄Logical Operator-Difference between Logical AND and && - 12:18:43

🪄Logical Operator-Difference between Logical OR and || - 12:24:45

🪄Assignment Operator - 12:30:01

🪄Increment Operators - 12:42:00

🪄Decrement Operators - 12:50:45

🪄Bitwise Operators - 13:00:00

🪄Bitwise Operators Implementation - 13:07:58

🪄Right Shift Operator - 13:18:07

🪄Left Shift Operator - 13:28:16

🪄Execution Operators - 13:33:10

🪄Error control Operators - 13:28:55

🪄Operator Precedence - 13:42:41

📢**Section 12: PHP Data Types**

🪄Section Intro - 13:46:58

🪄What are Data Types - 13:48:18

🪄Scalar Data Types - 13:52:37

🪄Integer Data Type - 13:56:38

🪄Float Data Type - 14:06:30

🪄Boolean Data Type - 14:10:40

🪄String Data Type - 14:21:03

🪄Null - 14:34:05

🪄Arrays - 14:47:01

🪄Objects - 14:55:07

📢**Section 13: [Project #3] Text Transform Tool - PHP String**

🪄Section Intro - 15:00:59

🪄What are Strings - 15:04:07

🪄HEREDOC in String - 15:10:25

🪄NOWDOC in String - 15:19:27

🪄String Compare Function - 15:24:23

🪄Project Demo- Text Transform Tool - 15:28:54

🪄Project Setup - 15:33:33

🪄Get Input Details - 15:40:21

🪄UpperCase and LowerCase - 15:50:39

🪄Reverse String - 15:57:07

🪄String Length - 15:59:11

🪄String Explode Function - 16:07:18

🪄String Implode Function - 16:13:24

🪄Implement Explode and Implode - 16:17:55

🪄Count Words in String - 16:21:52

🪄Replace String - 16:28:17

🪄Shuffle String - 16:36:36

🪄Find Position in String - 16:39:58

🪄Implement str\_pos in project - 16:51:35

🪄Word Wrap in String - 17:07:21

🪄Find Sub String - 17:14:47

🪄Implement Sub String in Project - 17:22:40

📢**Section 14 : Regular Expression**

🪄Section Intro - 17:34:55

🪄Regular Expressions - 17:38:08

🪄preg\_match() function - 17:42:08

🪄preg\_match\_all() function - 17:49:56

🪄Pipe Character | - 17:56:28

🪄Square Brackets [ ] - 18:04:56

🪄Caret Operator ^ inside square bracket - 18:12:11

🪄Range inside Brackets [ - ] - 18:16:35

🪄Regular Expressions Tester - 18:22:18

🪄Meta Characters - 18:31:42

🪄Meta characters\_w\_and\_W - 18:34:23

🪄Meta characters\_d\_and\_D - 18:37:54

🪄Meta characters\_s\_and\_S - 18:40:27

🪄Meta characters\_b\_and\_B - 18:43:33

🪄Meta character dot (.) - 18:46:38

🪄Meta character caret (^) and ($) - 18:56:18

🪄Meta characters Exercise - 19:03:05

🪄Different types of Quantifiers - 19:09:24

🪄Asterick Quantifier (\*) - 19:13:36

🪄Plus Quantifier (+) - 19:23:52

🪄Question mark quantifier (?) - 19:36:00

🪄{n} ,{n,m} , {n,} Quantifiers - 19:45:44

🪄Exercise\_Email Validation - 19:50:58

🪄Revisit : Validation Project - 19:58:22

📢**Section 15: Arrays in PHP**

🪄Section Overview - 20:02:49

🪄What is an Array - 20:05:53

🪄Different ways of Printing Array - 20:10:34

🪄Update array elements - 20:23:34

🪄foreach loop- Iterate Array Elements - 20:31:38

🪄Empty array - 20:41:35

🪄Mixed Array - 20:54:11

🪄Indexed Array - 21:01:35

🪄Associative Array - 21:09:29

🪄Print Associative Array - 21:13:55

🪄Iterate Associative Array - 21:28:27

🪄Multidimensional Array - 21:35:51

🪄Print Multidimensional Array - 21:40:57

🪄Iterate Multidimensional Array - 21:48:02

🪄Array Function unset - 21:58:41

🪄Copy Array - 22:05:53

🪄List of array methods - 22:08:56

🪄Array Methods - Part 1 - 22:10:21

🪄Array Methods - Part 2 - 22:27:14

🪄Array Methods - Part 3 - 22:37:04

🪄Array Methods - Part 4 - 22:48:09

🪄Array Methods - Part 5 - 23:00:20

🪄Array map method - 23:19:17

🪄Array filter method - 23:26:59

🪄Array reduce method - 23:33:52

📢**Section 16 : Functions in PHP**

🪄Section Overview - 23:42:32

🪄What are Functions - 23:45:42

🪄Defining and Calling a Function - 23:53:09

🪄Rules of creating a Function Name - 23:57:40

🪄Function with Parameters - 24:05:04

🪄Default and Optional parameters - 24:15:45

🪄Validate input parameters - 24:22:56

🪄Read Functions Library - 24:33:26

🪄Return value from Functions - 24:38:22

🪄Exercise: Find totalmarks and percentage - 24:46:56

🪄Function calling other functions - 24:53:14

🪄Exercise: Find Area and Perimeter of Rectangle - 25:01:49

🪄Passing Arguments by reference - 25:09:37

🪄Pass by reference Example - 25:16:43

🪄Dynamic Function Calling/ Variable Function - 25:23:17

🪄Anonymous Function - 25:32:01

🪄Recursive Function - 25:39:50

🪄 [OPTIONAL]Visit Global and Local Scope - 25:46:58

📢**Section 17 : Super Global Variables**

🪄Section Intro - 25:48:39

🪄Super Global Variables - 25:50:46

🪄 [OPTIONAL] $\_GET global variable - 25:54:50

🪄 [OPTIONAL] $\_POST global variable - 26:02:44

🪄$\_REQUEST global variable - 26:08:03

🪄$\_SERVER global variable - 26:13:01

🪄$\_COOKIE global variable - 26:22:43

🪄Set Cookie - 26:26:41

🪄Calculate Expire Time - 26:39:35

🪄Delete Cookie - 26:45:17

🪄$\_SESSION global variable - 26:48:16

🪄Set and Get Session - 26:52:14

🪄Destroy Session - 27:01:59

🪄 [OPTIONAL] $GLOBALS global variable - 27:07:34

🪄$\_FILE global variable - 27:13:41

📢**Section 18: [Project #4]Upload Image in Database**

🪄Section Overview - 27:19:24

🪄Project Demo - 27:22:18

🪄Project Setup - 27:23:40

🪄Database and Table - 27:25:50

🪄Enctype = multipart/form-data - 27:27:22

🪄Image name Logic - 27:32:41

🪄move\_uploaded\_file - 27:40:25

🪄Insert Image into database - 27:48:41

🪄Display Error Message - 27:53:06

🪄Display Image in Table - 27:59:45

🪄Clean code - 28:07:16

📢**Section 19: [Project #5]Task Manager Tool**

🪄Section Overview - 28:09:37

🪄Project Demo - 28:11:43

🪄Project Setup - 28:17:09

🪄Handling Form Options - 28:19:02

🪄Work on Functions - 28:28:28

🪄Display no task with session - 28:36:56

🪄Add Task Function - 28:40:39

🪄Task already added - 28:46:40

🪄Display Logic - 28:54:16

🪄Display Entire Task - 29:00:42

🪄Filter Tasks Logic - 29:09:46

🪄Sort Tasks Logic - 29:18:14

🪄Complete Task Function - 29:23:58

🪄Remove Task Function - 29:31:15

🪄Clear All Task - 29:36:30

📢**Section 20: Control Structures**

🪄Section Overview - 29:40:09

🪄Control Structures - 29:43:11

🪄if Statement - 29:47:28

🪄if\_else Statement - 29:54:32

🪄elseif Statement - 30:11:15

🪄switch Statement - 30:23:43

🪄for loop - 30:38:57

🪄while loop - 30:59:42

🪄do while loop - 31:08:02

🪄 [OPTIONAL]foreach loop - 31:13:57

🪄break Statement - 31:20:57

🪄continue Statement - 31:30:44

🪄return keyword - 31:37:13

🪄goto Statement - 31:42:33

🪄Exercise : Display Multiplication Table - 31:46:47

🪄Exercise : Find odd numbers - 31:53:04

📢**Section 21 : Handling Exceptions**

🪄Section Overview – 31:58:14

🪄What is Exception Handling – 32:01:02

🪄Syntax of Handling Exceptions –32:06:17

🪄Practical Implementation – 32:11:26

🪄Handling Exception for Functions – 32:18:38

🪄Basic use of Exception – 32:25:03

🪄try and catch inside function – 32:32:52

🪄Use Different Methods – 32:36:52

🪄Finally block – 32:41:21

🪄Create Custom Handler – 32:44:08

🪄Throw Custom Exception – 32:53:11

🪄Finally block- Another Example – 32:58:00

🪄Capture Custom Exception – 33:03:29

🪄Catch Multiple Exceptions – 33:07:25

🪄Raise and Catch Errors – 33:12:40

🪄Handle Errors – 33:18:06

🪄Exercise\_Find Odd Numbers – 33:25:10

📢**Section 22: MySQL with PDO**

🪄Section Overview –33:34:00

🪄PHP PDO – 33:38:21

🪄Syntax of PDO – 33:46:49

🪄Connect to Database – 33:49:56

🪄Fetching Records – 33:55:39

🪄Different Fetch Styles – 34:02:53

🪄Display Data using different Fetch Styles – 34:08:02

🪄setAttributes – 34:13:08

🪄Fetch and FetchAll – 34:17:43

🪄Display Data using fetchAll – 34:24:20

🪄MySQL prepare method – 34:30:05

🪄Implement prepare method – 34:34:04

🪄Pass Datatype in bindParam – 34:40:57

🪄bindValue – 34:45:14

🪄bindColumn – 34:50:21

🪄colon placeholder – 35:00:00

🪄Insert Query – 35:08:21

🪄PDO Advance Fetch Styles – 35:14:12

🪄PDO methods – 35:26:34

🪄PDO with Exception Handling – 35:36:52

🪄PDO Transaction – 35:40:25

🪄PDO Transaction Implementation – 35:47:20

🪄4th parameter for PDO object – 35:59:16

📢**Section 23:[PROJECT #6]CRUD Operation using PDO**

🪄Section Intro – 36:01:58

🪄Project Demo – 36:03:56

🪄Project Setup – 36:08:23

🪄Connect to Database – 36:10:36

🪄Insert Data into Table – 36:19:32

🪄Check if email exist – 36:30:13

🪄Display Users – 36:39:41

🪄Update Users - Part1 – 36:48:54

🪄Update Users - Part2 – 37:00:39

🪄Delete Users – 37:08:28

📢**Section 24:[PROJECT #7] Login and Registration Form**

🪄Section Intro – 37:15:14

🪄Project Demo – 37:19:06

🪄Project Setup – 37:24:06

🪄Connect to Database – 37:28:05

🪄Registering User - Inserting Data – 37:38:10

🪄Trim and Stripslashes function – 37:50:05

🪄Validating User Function – 37:57:14

🪄Password Hash – 38:02:31

🪄Confirm Passwords – 38:11:02

🪄Check if username or email exists – 38:16:29

🪄Login to Page – 38:22:31

🪄Verify Password – 38:29:19

🪄Start Session – 38:34:45

🪄Logout Session – 38:37:4

📢**Section 25: Date / Time / Math / Numbers**

🪄Section Intro – 38:42:05

🪄Date Format – 38:44:37

🪄Timestamp – 38:48:11

🪄DateTime class Function – 38:54:02

🪄date\_create method – 39:00:35

🪄format method – 39:03:47

🪄strtotime method – 39:06:45

🪄date\_default\_timezone – 39:13:41

🪄sleep method – 39:19:19

🪄Exercise : Build Timezone Converter – 39:24:19

🪄Math Functions - Part1 – 39:34:00

🪄Math Functions - Part2 – 39:40:07

🪄PHP Numbers \_ Integers – 39:45:02

🪄PHP Numbers \_ Floats – 39:54:35

🪄PHP Numbers \_ Infinity and NaN – 39:59:56

🪄isNumeric method – 40:06:26

🪄Casting Strings and Floats – 40:09:40

📢**Section 26 : PHP Files**

🪄Section Overview – 40:13:41

🪄File System – 40:18:32

🪄List of File System Functions – 40:20:15

🪄Read File – 40:21:08

🪄Copy/Rename/Unlink/Delete Files – 40:25:10

🪄Make and Delete Directories – 40:32:29

🪄Display File Information – 40:38:39

🪄fopen modes – 40:51:29

🪄Open and Read files – 40:54:40

🪄Write Files – 41:12:11

🪄File System is function – 41:21:17

🪄fileperms and chmod – 41:28:02

🪄PHP File put content – 41:34:20

🪄PHP File get content – 41:40:45

🪄Glob Function – 41:44:51

🪄Flags in Glob function – 41:56:05

🪄PHP Directory Functions- Part1 – 42:03:11

🪄PHP Directory Functions- Part2 – 42:09:46

🪄Read Configuration File – 42:16:32

🪄Read CSV File – 42:20:58

📢**Section 27 :[Project #8] Download PDF File**

🪄Section Overview – 42:27:25

🪄Project Demo – 42:28:31

🪄Project Setup – 42:29:38

🪄View PDF File – 42:31:30

🪄Pass File Attribute – 42:34:07

🪄Input Validation – 42:37:36

🪄Sanitization – 42:41:54

🪄Download Headers Explaination – 42:48:26

🪄Download Headers Implementation – 42:53:45

**💕The End!** – 43:00:18