Full-Stack web development

Part 1: HTML - CSS

Day-1:
1. HTML – PART 1
    a. What is HTML?
    b. Structure of Webpage
    c. HTML Tags
    d.   Adding and formatting texts, title, paragraph, body
    e. Lists – Ordered/Unordered
    f. Images
    g. Forms

Day-2:
1. HTML – PART 2 | CSS – PART 1
    a. Links
    b. Tables
    c. Iframes, Videos
    d.   Anchor tags
    e. HTML Divs
    f. CSS Introduction
    g. Inline vs Internal vs External styling
    h. CSS Display
    i. Project 1 - To-do App – Frontend using basic HTML/CSS

Day-3:
1. HTML – PART 3
    a. HTML 5 tags
    b. New features of HTML5
    c. Project 1 - To-do App – Added new features to Frontend using basic HTML5/CSS

Day-4:
1. CSS– PART 2 | ADVANCED CSS – PART 1
    a. CSS Backgrounds, Borders, Margins, Padding
    b. CSS Font Styling
    c. Stylings Lists
    d. Styling Tables, Forms
    e. Gradients
    f. Font Awesome

Day-5
1. . ADVANCED CSS – PART 2
    a. Tooltips
    b. Buttons
    c. Transitions, Transformation, Animations

        d. Box sizing
        e. Flex
        f. Grid
        g. Project 1 - To-do App – Enhance Frontend using CSS

Day-6
1. PROJECT BUILDING
        a. Responsive Media Queries
        b. Project 2 - Blog – Add blog frontend using HTML/CSS

Part 2: HTML - CSS

Day-7
2. BOOTSTRAP – PART 1
        a. Bootstrap containers
        b. Tables, Images, Colors
        c. Alerts, Buttons
        d. Spinners, Cards

Day-8
3. BOOTSTRAP – PART 2
        a. Pagination, Drop Down
        b. Carousel
        c. To-do App – Develop To-do App Frontend using Bootstrap

Part 3: Github

Day-9:
4. GITHUB(All about git and Github)

Part 4: PHP basics

Day-9:
1. PHP web architecture
2. PHP xampp/wamp server installation
3. First PHP program.
4. HTML with PHP
5. Comments and PHP manual usage

Day-10:
1. Variables and constants
2. Data types and Type jugging
3. Integers

4. Float
5. String
6. Boolean
7. String functions

Day-11:
1. Conditional Statements-if,else,else if
2. Control structure-switch
3. Operators -part -1
4. Operators part-2
5. Logical operators
6. Ternary operators

Day-12:
1. Looping statements-while,for,do-while
2. Control structure -Break
3. Control structure-Break, continue

Day-13:
1. Indexed arrays
2. Printing an indexed array
3. Associative array
4. Looping arrays
5. Looping statement -for each
6. Multidimensional arrays

Day-14:
1. Function-introduction
2. Functions and arguments
3. Usage of the return keyword
4. Scope of variables
5. Default arguments in functions

Part 5: PHP usage

Day-15:
1. HTML form with PHP
2. Forms introductions
3. Using POST method
4. Using $_REQUEST superglobal
5. Form validation

Day-15:
1. Reading data from a file
2. Writing data to a file

Part 6: Database

Day-16:
1. MYSQL Introduction
2. Data definition language
3. Data manipulation language
4. Drop command

Day-17:
1. MYSQL data types
2. MYSQL constraints

Day-18:
1. Numeric functions
2. Date functions
3. String Functions
4. Control flow Functions

Day-19:
1. Inner join
2. Outer Join
3. Self-join
4. Aggregate Functions, Group By, having
5. Subqueries
6. Any, All operators
7. Indexing

Day-20:
1. Database connection from PHP with MYSQL
2. Creating a database config file
3. Insert data into database in PHP
4. Update data
5. Delete data
6. Retrieve data from the database

Part 7: Advanced PHP

Day-21:
1. What is a cookie?
2. See the cookie details in the browser
3. Delete the cookie in PHP

Day-22:
1. What is a session? How does the session work?
2. View session id
3. Create session variable
4. Regenerate the session id

5. Destroy session

Part 8: Project

Day 23:
1. Create a new database using PhpMYadmin
2. Create a new table and insert records using PHPMyAdmin
3. How to export a database
4. Importing the database of a sample blog project
5. Blog project demo

Day-24:
1. Introduction to Shopping cart
2. Project Requirements
3. Demo of the End product
4. Setting up Database for the shopping Cart
5. Starting with fronted
6. Display product categories on the home page
7. Product listing based on category
8. Listing individual product

Day-25:
1. Adding Product to the cart
2. Viewing the shopping cart
3. New user registration
4. User Login page
5. Logging out the user

Day-30:
1. Building checkout page
2. Building order page
3. End of the project

Day-31:
1. The register domain name on internet
2. How to use CPanel and upload projects to hosting

Day-32:
1. Sending email from PHP
2. SMS gateway integration

Part 9: Object-Oriented Programming with PHP

Day-33:
1. Introduction to OOP in PHP
2. Class-property-method-object

3. Create class and object in PHP
4. Create setters in PHP
5. Use of this keyword

Day-34:
1. Use of constructor
2. Access modifier
3. Inheritance
4. Static keyword
5. Use of Static keyword

Part 10: JavaScript

Day-35:
1. Starting with javascript
2. First js code in HTML file
3. Alert box
4. Functions and events in js
5. Validate a form using javascript

Day-36:
1. Revision of CSS and Bootstraps

Day-37:
1. Ajax
2. Demonstrating Ajax example

Day-38:
1. Display data from the database using Ajax
2. Check availability of username using Ajax
3. Create user signup form using ajax

Day-39:
1. jQuery
2. Use of jQuery
3. Benefits of jQuery
4. First jQuery program

Day-40;
1. Validate form using jQuery
2. Select data from the database using jQuery

Day-41:
1. Smarty:
2. Install smarty template engine
3. Use loops in smarty
4. Use smarty variable modifiers
5. Create a form using smarty

Day-42:
1. Cache a web page using smarty

2. Check the cache using smarty
3. Clear a cache using smarty

Part 11: Knowing PHP framework

Day-43:
1. Laravel framework
2. MVC pattern
3. Install Laravel

Day-44:
1. The folder structure of Laravel
2. Build an application using Laravel

Day-45:
1. Validate all the forms using javascript(phase 2)

Day-46:
1. Implement ajax to display the products
2. Implement ajax in the user registration

Day-47:
1. Implement jQuery form validation

Day-48:
1. How to use CSS template and customize it

Day-49-54:
1. How to download a CSS template from the internet and integrate it with a PHP project

Day 55:
1. Payment gateway integration

Part 12: Marketplace

Day-56:
1. Introduction to marketplace
2. Creating accounts in the marketplace
3. Surveying all marketplaces

Day-57-60:
1. Tips for growing in the marketplace.