

Scripting Language

Practical Sheet

Client Side Scripting : JavaScript:

1. Write a simple HTML page and embed JavaScript within it to display "Hello, World!" in an alert box.
2. Embed JavaScript using the <script> tag. Create an alternative message using the <noscript> tag for browsers that do not support JavaScript.
3. Create a web page with a button. Write a script to display a message when the button is clicked.
4. Manipulate the DOM by changing the content and style of HTML elements using JavaScript.
5. Write a JavaScript program to fetch the current date and time from the system and display it on a web page.
6. Create a form with various input fields. Write a JavaScript function to validate the form data before submission. Use regular expressions to validate an email address and a phone number.

Server Side Scripting with Database Connectivity: PHP & MySQL

7. Write a PHP script that outputs "Hello, World!" and demonstrates the use of variables and comments.
8. Write a PHP script that uses if-else, switch, and loops to perform different tasks based on user input.
9. Write PHP functions for common tasks and demonstrate the use of arrays and the foreach loop.
10. Create a simple form that takes user input and processes it using \$_GET or \$_POST. Also include file upload to the server.
11. Demonstrate the use of sessions and cookies by creating a login system.
12. Write a PHP script to connect to a MySQL database and perform basic CRUD operations (Create, Read, Update, and Delete).

Advanced Server Side Scripting

13. Define a class with properties and methods. Create objects and demonstrate method calling.
14. Create a base class and a derived class. Demonstrate method overriding and polymorphism.
15. Create an AJAX application to fetch data from a MySQL database and display it without refreshing the page.
16. Use jQuery to hide and show elements on a web page and implement basic UI interactions.
17. Install Joomla and explore the backend. Customize the template and install extensions.
18. Develop a simple module and component in Joomla. Demonstrate the use of MVC architecture.
19. Integrate a new theme in WordPress. Create and manage pages, posts, and widgets.