

HTML, CSS & JS

1. What is HTTP? Explain HTTP Request and Response.
2. Explain following HTML tags with example (i) <select> (ii) <pre>
3. What do you mean by Meta Tags? List and explain any three Meta tags with example.
4. What is responsive web design? Explain with example
5. How to display ordered list and unordered list using HTML? Give Example
6. What is CSS? Explain the different types of CSS.
7. Explain DOM Structure with example
8. What is HTTP? How do browser and server communicate using HTTP request and response?
9. Explain different design issues at the time of designing an effective website.
10. Differentiate between “ID” and “Class” using suitable example.
11. Draw and Explain Web Browser Architecture.
12. Explain pop-up boxes in JavaScript with example.
13. Explain any two types of events in Java Script with Example.
14. Explain how to detect mouse events in JavaScript
15. Explain Keypressed events in JavaScript
16. Write various website design issues and explain it.
17. What is the difference between GET and POST methods in form submitting? Give the cases where we can use GET and POST methods

Programs

1. Write code to display following table.

A		B
C	D	
	E	

2. What is Metadata? Explain with example how Metadata is included in a document? Also show how can following be achieved with the help of Metadata?

- (i) Stop the page from being listed.
- (ii) Set an expiration date
- (iii) Stop the browser from caching a page.
- (iv) Give a context for date so that it can take format DD-MM-YYYY

3. Write an HTML snippet with CSS for following effects

- 1. link: after visited red color and before visited blue color
- 2. table with odd rows blue and even rows green color.
- 3. Text color-green, Text case-uppercase

4. Design a login form using HTML & JavaScript with following validations using Regular Expression on username and password fields.

- 1. Username and Password should not be both blank
- 2. Username should not start with digit,_, @ or #
- 3. Password length must be 8 to 16 characters

5. Write HTML code for creating following table.

January		Febuary
March	1	2
	3	4

6. Write Java Script to validate Mobile Number.

- 1) Entered value must be numeric
- 2) 10 digit length

7. Write HTML and CSS code for the following:

- (i) set the background color for the active link states to "yellow".
- (ii) Set the list style for unordered lists to "square".
- (iii) Set "paper.gif" as the background image of the page.

8. Write a JavaScript that uses a loop that searches a word in sentence held in an array returning the index of the word.

9. Design a login form using HTML & JavaScript with following validations on username and password fields.

- 1. Password length must be 6 to 12 characters

2. Username should not start with _, @ or number.
3. Both should not be blank.

10. Write HTML and CSS code for the following:

- (i) Set color of visited link to "green".
- (ii) Set background color of paragraph to "yellow"
- (iii) Set list style for unordered lists to "square".
- (iv) Set "calendar.jpeg" as the repeated background image of the page.

11. Design a login form with username and password option using HTML and JavaScript. Perform following validations.

- (i) Username field: minimum length 6 characters, it should not have any special character or digits other than _
- (ii) Password field: minimum length 8 characters and maximum length 12 characters, it must contain at least one digit and at least one special character from the set {*,#,_}

12. Write an HTML and JavaScript program which accepts N as input and print first N odd numbers.

PHP

1. Explain Declaration of Variables in PHP
2. Elaborate, conditional (if else) statements and loops in PHP
3. Explain Arrays and Strings in PHP
4. Explain Cookies and Sessions with example in PHP
5. Elaborate exception handling in PHP
6. Explain with example Database connectivity with PHP using proper example
7. What is use of \$_REQUEST[] array in PHP?
8. What is difference between identical and equal to operator in PHP? Give example.
9. How data transmitted to the server with the GET and POST methods?
10. What PHP can do with header() function?

Programs

1. Write a PHP script to store user registration details (user-name, address, date of birth, age, pan card, gender) with MySQL database.
2. Write a PHP program to upload image or a file.
3. Write a web application code using PHP, HTML and MySql for Employees that stores employee's id, name, department, designation, etc. in database. Create proper GUI including buttons that run separate .php file for each database operation like insert, update, delete etc.