

JavaScript

12. Validate the fields of a form using JavaScript.
13. Guess a number based on user input.
14. Program on image rollover using JavaScript.
15. Display clock using JavaScript.
16. Prompt, alert, array, looping in JavaScript.
17. Calculator using JavaScript.
18. Validate e-mail, phone no. using reg-ex in JavaScript.
19. Develop a JavaScript program to display a message “HI ! GOOD MORNING TO YOU”. When a page is loaded and display a message “THANKS TO VISIT OUR WEB PAGE” when a page is unloaded.
20. Design a web page with a text box (username) where the user can enter a name and another text box (ID) where the user enter an only four digit ID.NO and a button “validate”. Validate the entered username and ID field for the following using java script.
 - a. Both the fields should not be empty
 - b. Name field should have alphabets
 - c. ID field should have numeric.
21. Write JavaScript for the following. Provide a text box for the user enter user name.
 - a. Validate the username for the no. of characters (assume some no. say 6). Provide a SUBMIT button for the validation to happen. On successful validation display a new page with an image and two text boxes for entering the width and height of the image respectively with a RESIZE button below. On clicking the Resize button validate the width and height numbers and on successful validation display the image with the requested width and height.
22. Develop a simple online shopping application using JavaScript (Assume your own data).
23. Write a JavaScript program to demonstrate the JavaScript events. Design a webpage with a textbox where the user can enter a four digit number and a button “validate”. Validate the entered number for the following using java script. No zero as the first digit Entered number must be in ascending order of digits (Ex: 1234, 5678...)
24. Write the complete JavaScript to prompt the user for the radius of the sphere and call a function sphere Volume to calculate and display the volume of the sphere. Use the statement. $\text{Volume} = (4.0/3.0) * \text{Math.PI} * \text{Math.pow}(\text{radius}, 3)$

25. To calculate the volume, the user should input the radius through an HTML text field and press an HTML button to initiate the calculations.
26. Implement the “Hello World!” program using JSP Struts Framework.
27. Write a JavaScript embedded HTML tags to display the current Date in the format “ dd/mm/yyyy” and current Time in a text box in the 12-hour format as “hh:mm:ss [AM/PM]”. Time has to be updated every second.
28. Write Java Scripts to illustrate the usage of various methods, properties, and events of the following objects: WINDOW, DOCUMENT, LOCATION, and SELECT.
29. Develop a web page for a tele-shopping firm to display a list of products on sale and its unit price. It also allows the visitor to select one or more items from the list and prompts for quantity of each item selected. Finally when all selections completed, it should display the bill for payment.
30. To get acquainted with javascript procedures and usage of regular expressions in javascript.
31. Declare the script tag as text/javascript in the beginning of the of html program
32. Get the string from the user using prompt()
33. Validate input string (should be only alphabets, a - z) using the regular expression “ /^[a-zA-Z]+\$/ “ and alert the user for invalid input using alert()
34. Convert the string to lowercase using toLowerCase()
35. Use indexOf() for each vowel to get the position of the vowel in the string.
 - i. Print the leftmost vowel i.e., print the lowest index got from indexOf().
36. Write a JavaScript to validate the form at client side for the following:
 - a. Empty fields
 - b. Numeric entries
 - c. Positive numeric entries
 - d. Numbers in a rang
37. To get acquainted with javascript and how to embed javascript in html code.
38. Declare the script tag as text/javascript in the beginning of the of html program.
39. Get the number of Fibonacci elements to be generated from the user using prompt().
40. Validate input given and alert the user for invalid input using alert().
41. Generate the Fibonacci numbers using the standard algorithm and print it to std out using document.write()
42. Design a web page to operate a simple arithmetic calculator that accepts two numbers and perform mathematical calculations.

- a. Declare the script tag as text/javascript in the beginning of the of html program
- b. Get the number to be reversed from the user using prompt()
- c. Validate input number (should be a positive number between 0 to 9) using the regular expression “ /^[0-9]+\$/ “ and alert the user for invalid input using alert()
- d. Reverse the number using modulus operation.
- e. Use math.floor(number/10) to get the floor of number after division (used for reversing)
- f. Display the reversed string using alert()