

JS Assignment – 1

1. Create a JavaScript program to implement a basic calculator. Prompt the user for two numbers and an operator (+, -, *, /), perform the calculation, and display the result on screen.
2. Implement a JavaScript program to find the longest word in a sentence. Prompt the user for a sentence, identify the longest word, and display it.
3. Write a JavaScript program to calculate the area of a rectangle. Prompt the user for the length and width, and display the result.
4. Write a JavaScript program to find the largest of three numbers. Prompt the user for three numbers, and display the largest one.
5. Create a JavaScript program to reverse a string. Prompt the user for a string, reverse it, and display the result.
6. Write a JavaScript program to calculate the factorial of a number. Prompt the user for a number, calculate its factorial, and display the result.
7. Create a JavaScript program to generate a random password. Prompt the user for the desired length of the password and generate a random password with alphanumeric characters.
8. Write a JavaScript program to find the sum of all numbers in an array. Create an array of numbers and calculate their sum.
9. Create a JavaScript program to check if a given string is a palindrome. Prompt the user for a string, check if it is a palindrome, and display the result.
10. Write a JavaScript program to find the Fibonacci series up to a given number. Prompt the user for a number and display the Fibonacci series up to that number.
11. Create a JavaScript program to convert temperature from Celsius to Fahrenheit and vice versa. Prompt the user for the temperature and the unit, perform the conversion, and display the result.
12. Create a Simple and Compound Interest Calculator.
13. Write a JavaScript program to generate a random quote from an array of quotes. Display a new quote each time the page is refreshed.
14. Create a JavaScript program to implement a stopwatch. Allow the user to start, stop, and reset the stopwatch, and display the elapsed time.
15. Write a JavaScript program to implement a countdown timer. Prompt the user for a duration in seconds, start the timer, and display the remaining time.