JavaScript Loop Practice Exercises

1. Sum of Numbers

Write a for loop that calculates the sum of all numbers from 1 to 100 and prints the result.

2. Factorial Calculator

Write a program using a while loop to calculate the factorial of a number n.

Example:

If n = 5, output should be 120 (5 * 4 * 3 * 2 * 1).

3. Reverse Counting

Use a while loop to print numbers from 10 to 1 in descending order.

4. Even Numbers Between 1 and 50

Write a for loop that prints all even numbers from 1 to 50.

5. Sum of Even and Odd Numbers

Using a for loop, find the sum of even numbers and the sum of odd numbers separately from 1 to 20.

Print both sums.

6. Multiplication Table

Write a program that takes a number (e.g., 7) and prints its multiplication table up to 10 using a for loop.

7. Sum of Digits

Write a program using a while loop to calculate the sum of digits of a given number.

Example: 1234 = 1 + 2 + 3 + 4 = 10

8. Find First Multiple of 7 Over 100

Use a while loop to find the first multiple of 7 greater than 100 and print it.

9. Pattern Printing

Use nested for loops to print the following pattern:

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10. FizzBuzz (Classic Interview Question)

Write a program that prints numbers from 1 to 50.

For multiples of 3, print 'Fizz' instead of the number.

For multiples of 5, print 'Buzz'.

For multiples of both 3 and 5, print 'FizzBuzz'.