

JS Conditional Statements and Looping Assignment

1. Write a JavaScript program that accepts two integers and displays the larger ones.

2. Write a JavaScript conditional statement to find the sign of the product of three numbers. Display the specified sign.

Sample numbers : 3, -7, 2

Output: The sign is -

3. Write a JavaScript conditional statement to sort three numbers. Display the result.

Sample numbers : 0, -1, 4

Output : 4, 0, -1

4. Write a JavaScript conditional statement to find the largest of five numbers. Display the result.

Sample numbers : -5, -2, -6, 0, -1

Output : 0

5. Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.

Sample Output :

"0 is even"

"1 is odd"

"2 is even"

6. Write a JavaScript program that computes, the average marks of the following students Then, this average is used to determine the corresponding grade

Student Name	Marks
David	80

Vinoth	77
Divya	88
Ishitha	95
Thomas	68

The grades are computed as follows :

Range	Grade
<60	F
<70	D
<80	C
<90	B
<100	A

7. Write a JavaScript program that iterates the integers from 1 to 100. But for multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers that are multiples of both three and five print "FizzBuzz".

8. Write a JavaScript program to find the Armstrong numbers of 3 digits.

Note: An Armstrong number of three digits is an integer such that the sum of the cubes of its digits is equal to the number itself. For example, 371 is an Armstrong number since $3^3 + 7^3 + 1^3 = 371$.

9. Write a JavaScript program to construct the following pattern, using a nested for loop.

```
*  
* *  
* * *  
* * * *  
* * * * *
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11. Write a JavaScript program to compute the greatest common divisor (GCD) of two positive integers.

12. Write a JavaScript program to sum the multiples of 3 and 5 under 1000.

13. Write a function that takes a string as an argument and returns an all-caps version of the string when the string is longer than 10 characters. Otherwise, it should return the original string. Example: change 'hello world' to 'HELLO WORLD', but don't change 'goodbye'.

14. WAP in JS to print if the entered number is a palindrome or not