1. What number's bigger?

● Write a function named greaterNum that:
    ○ takes 2 arguments, both numbers.
    ○ returns whichever number is the greater (higher) number.
● Call that function 2 times with different number pairs, and log the output to make sure it works (e.g. "The greater number of 5 and 10 is 10.").

2. The World Translator

● Write a function named helloWorld that:
    ○ takes 1 argument, a language code (e.g. "es", "de", "en")
    ○ returns "Hello, World" for the given language, for atleast 3 languages. It should default to returning English.

● Call that function for each of the supported languages and log the result to make sure it works

3. The Grade Assigner

● Write a function named assignGrade that:
    ○ takes 1 argument, a number score.
    ○ returns a grade for the score, either "A", "B", "C", "D", or "F".
● Call that function for a few different scores and log the result to make sure it works

4. The Pluralizer

● Write a function named pluralize that:
    ○ takes 2 arguments, a noun and a number.
    ○ returns the number and pluralized form, like "5 cats" or "1 dog".
● Call that function for a few different scores and log the result to make sure it works.
● Bonus: Make it handle a few collective nouns like "sheep" and "geese".

5. Write a JS code to print numbers from 1 to 10

Function `printNumbers()` prints numbers from 1 to 10 using for loop.

6. Write a JS code to print a 2D array

Function `printArray()` prints all the elements of a 2D array using nested for loops.

7. Write a JS code to print Even numbers in given array

Function `printEven()` prints all the even numbers of a 2D array using for loops and ‘%’ operator.

8. Write a JS code to delete all occurrence of element in given array

Function `deleteElement()` deletes all the occurrence of element from the given array.

9. Write a JS code to demonstrate Async loop

For loop consisting of setTimeout() function to print loop variable 5 times in asynchronous way.

10. Write a JS code to find the power of a number using for loop

Function numPower() to returns power of number for provided exponential value using for loop.

11. Write a JS code to print a pattern using for loop

Function printPattern() is used to print a pattern for a given range using nested for loop.

12. Write a JS code to find the no of digits in a number

Function digitCount() to returns the number of digits in a given number using while loop.

13. Write a JS code to calculate the sum of digits in a number

Function digitSum() to returns sum of all digits in a given number using while loop. Learn more about JavaScript built-in Math methods from

14. Write a JS code to find the largest number in an array

Program to find the largest number in the given 1D array.

15. Write a JS code to find the number of zeros in 2D Matrix

Program to find count number for zeros in 2d matrix using nested for loops and increment operation.

16. Write a JS code to find product of two arrays

Function findProd() to generate a new array which is the product of two arrays of the same size using for loop.

17. Write a JS code to print the Fibonacci series for a given value of N

The function fibonacci() prints the Fibonacci series for the given range N using While loop.

18. Write a JS code to find N value in the Fibonacci series for a given number

The function Findfibonacci() prints the index of number in the Fibonacci series if present or “element not present” if the number is not part of the Fibonacci series.

19. Write a JS code to count all letters in a word

Program to find the count of all letters in a word using double for loops.

20. Write a JS code to find duplicate values in a given array

Function findDup() to returns all the elements that are repeated more than once in a given array.

21. Write a JS code for binary search algorithm

Program to find the index of a search element in an array using the binary search algorithm.

22. Check if a number is odd or even in JavaScript

Function `isEvenOrOdd()` checks if input number is even or odd by using "%" operator in JavaScript.

1. Print "Number is even" if the number is divisible by 2.
2. Else print "Number is odd" if the number returns a remainder when divided by 2.

23. Check if input variable is a number or not

Function `isNumber()` checks if input variable is a number by using isNaN() in-built JavaScript function.

1. Print "Variable is not a number" if isNaN() returns true.
2. Else print "Variable is a valid number" if isNaN() returns false.

24. Find the largest of two number

Function `findLargest()` finds the largest between two number by using ">" and "=" operator in JavaScript.

1. Print num1 is the largest if num1>num2.

2. Print num2 is the largest if num1<num2.
3. Else print num1 and num2 are equal when num1==num2.

25. Find the largest of three number

Function `findLargest()` finds the largest of three number by using “>” and “&&” operator in JavaScript.

1. Print num1 is the largest if num1>num2 and num1>num3.
2. Print num2 is the largest if num2<num3.
3. Else print num3.

26. Check if a triangle is equilateral, scalene, or isosceles

Function `findTriangleType()` finds the type of the triangle for given side values by using “==” and “&&” operator in JavaScript.

1. Print “Equilateral triangle.” if values for all side1, side2 and side3 are equal.
2. Print “Isosceles triangle.” if values for side1 is equal to side2 or side2 is equal to side3
3. Else “Scalene triangle.” since values of all sides are unequal.

27. Find the a number is present in given range

Function `checkInRange()` finds if the given number is within the provided start and end range using >=, <= and && operators in JavaScript.

1. Print “Between the range” if num is between start and end values
2. Else Print “Outside the range” since num is outside start and end values.

28. Perform arithmetic operations on two numbers

Function `evalNumbers()` prints the result after evaluating arithmetic operations between two numbers of addition, multiplication, division, and modulus in JavaScript.

1. Print result of num1+num2 if operation is “add”
2. Print result of num1-num2 if operation is “subtract”
3. Print result of num1*num2 if operation is “multiply”
4. Print result of num1/num2 if operation is “divide”
5. Print result of num1%num2 if operation is “modulus”
6. Else print “Invalid operation”

29. Find check if a year is leap year or not

Function `checkLeapYear()` find if the given year is a leap year or not by using %, !=, && and || operators in JavaScript.

1. If year is divisble by 4 and not divisble by 100 then print “leap year”.
2. Or if year is divisible by 400 then print “leap year”.
3. Else print “not a leap year”.

30. Find the grade for input marks

Function `findGrade()` to find the grade of the student based on the input marks.

1. Print “S grade” if marks is between 90 and 100.
2. Print “A grade” if marks is between 80 and 90.
3. Print “B grade” if marks is between 70 and 80.
4. Print “C grade” if marks is between 60 and 70.
5. Print “D grade” if marks is between 50 and 60.

6. Print “E grade” if marks is between 40 and 50.
7. Print “Student has failed” if marks is between 0 and 40.
8. Else print “Invalid marks”.

31. Find number of days in a given month

Function `findDaysInMonth()` finds the number of days in a given month of a year.

1. If month is outside the range of 1 and 12 print “Invalid month”.
2. If month is equal to 2 ie, February print “29 days” if leap year else print “28 days” .
3. Else if month is equal to 4, 6, 9 or 11 print “30 days”.
4. Else print “31 days”.

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