





Web Programming

Q SEARCH

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```
____ror_mod = modifier_ob.
         mirror object to mirror
       mirror_mod.mirror_object
       peration == "MIRROR_X":
       irror_mod.use_x = True
       _operation == "MIRROR_Y":
        Lrror_mod.use_x = False
        mirror_mod.use_y = True
        Mrror_mod.use_z = False
         operation == "MIRROR_Z":
         rror_mod.use_x = False
         rror_mod.use_y = False
         Irror_mod.use_z = True
         election at the er L-a 5
          er ob.select=1
JavaScript Fundamentals
         Data Types and Variables
            Operators and Expressions
                          Loops
          ypes.Operator):
   X mirror to the selection
          ject.mirror_xArrays
         ext.active_object is not
         ontext):
```

Problem 1. Quoted text

Create a string variable with quoted text in it. For example: 'How you doing'?', Joey said'.

Problem 2. Parsing numbers

Try parsing the following strings to numbers using parseInt, parseFloat, Number, + and | 0. Fill the answers for yourself in the table below.

str	parseInt(str)	parseFloat(str)	Number(str)	+str	str 0
'1234'	?	?	?	?	?
'1238abc'	?	?	?	?	?
'0.15'	?	?	?	?	?
'3.14ivan'	?	?	?	?	?
'Infinity'	?	?	?	?	?
'9999999999999999	?	?	?	?	?

Problem 3. Replace all href values

Description

Write a function that replace all occurrences of the href values of all links in a site.

Input

One href string that you want to be replaced

Output

All **href** values of the site will be replaced by the specified **href** string

Problem 4. Compare Array of Objects

Description

Write a function to sort an array of product objects in increasing order of product's price

Input

- One array contains product objects
- Each of them has three properties: Product Name,
 Product Image and Product Price

Output

Return one array that contains the product objects in increasing order of their price

Problem 5. Product List

- Create an array that contains a product list
- Each product consists of:
 - ID
 - Product Name
 - Quantity
 - Price
 - Image
- Print the products in the list
- Add a new product to head of the list
- Add a new product to tail of the list
- Search a product by Name
- Remove by ID
- Sort the product list by name

Problem 6. Prime check

Description

Implement a javascript function that accepts an integer N number (N will always be a valid 32-bit integer number) and uses an expression to check if given N is **prime** (i.e. it is divisible without remainder only to itself and 1).

Note

You should check if the number is **positive**.

Input

The only element will be the integer N number

Output

- Output true if the number is prime and false otherwise.
- You can use console.log to print the results or you can use return to return the answer. Both are correct.

Problem 7. Numbers from 1 to N

Description

Implement a javascript function that accepts a positive 32-bit integer N number and prints all the numbers from 1 to N inclusive, on a single line, separated by a whitespace.

Input

The input will consist of a positive 32-bit integer N number.

Output

The output should consist of a single line - the numbers from 1 to N, separated by a whitespace.

Problem 8. MMSA (Min, Max, Sum, Average) of N Numbers

Description

Implement a javascript function that accepts an array of floating-point numbers and returns the minimal, the maximal number, the sum and the average of all numbers (displayed with 2 digits after the decimal point).

- **Input:** The array that will be passed as a parameter to your function will contain the numbers of the sequence.
- Output: The output must always consist of exactly 4 lines like the following format:
 - Min = 3.00
 - Max = 6.00
 - Sum = 9.00
 - Avg = 4.50

Constraints

- $1 \le N \le 100.000.000$
- All numbers will be valid floating-point numbers that will be in the range [0, 100.000.000]

Problem 9. Selection sort

Description

Write a function to sort an array in increasing order: arr[0] < arr[1] < ... < arr[n - 1]

Input

One array of integer numbers

Output

Print the sorted array in a single line - separated by a whitespace.

Problem 10. Frequent number

Description

Write a function that finds the most frequent number in an array of N elements.

Input

One array of integer numbers

Output

- Print the most frequent number and how many time it is repeated
- Output should be REPEATING_NUMBER (REPEATED_TIMES times)

Problem 11. Reverse an integer number

Description

Write a function that reverse digits of an integer number.

Example

■ Input: 12345

Output: 54321