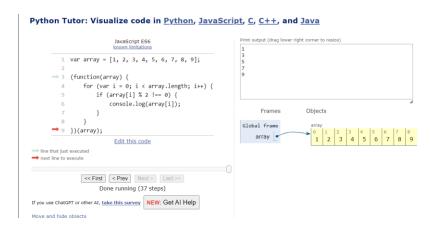
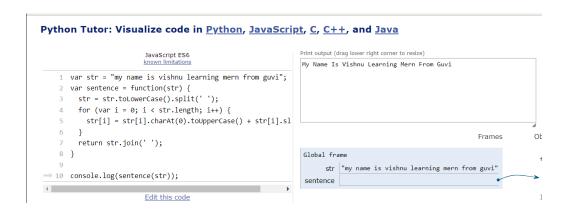
programs in anonymous function & IIFE

1. Print odd numbers in an array (anonymous function)

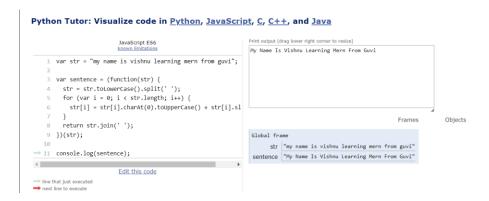


1.1 Print odd numbers in an array (IIFE)

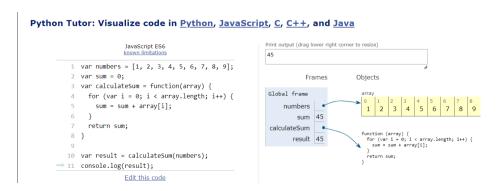
2. Convert all the strings to title caps in a string array (anonymous function)



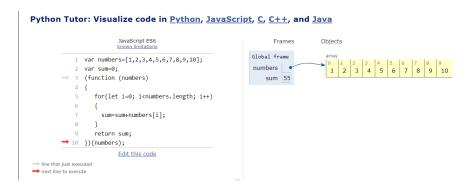
2.1 Convert all the strings to title caps in a string array (IIFE)



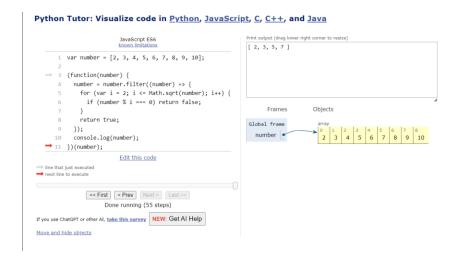
3. Sum of all numbers in an array (anonymous function)



3.1 . Sum of all numbers in an array (IIFE)

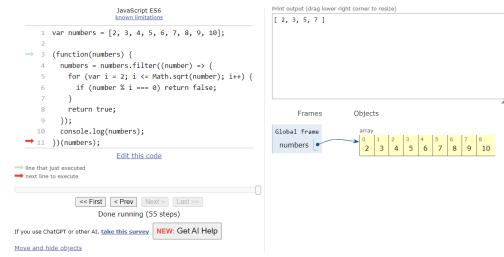


4. Return all the prime numbers in an array (anonymous function)

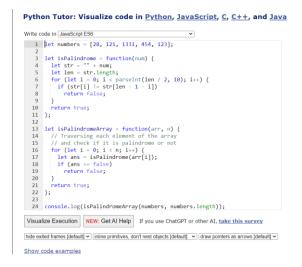


4.1 Return all the prime numbers in an array (IIFE)





5 Return all the palindromes in an array (anonymous function)



5.1 Return all the palindromes in an array (IIFE)

Python Tutor: Visualize code in Python, JavaScript, C, C++, and Java

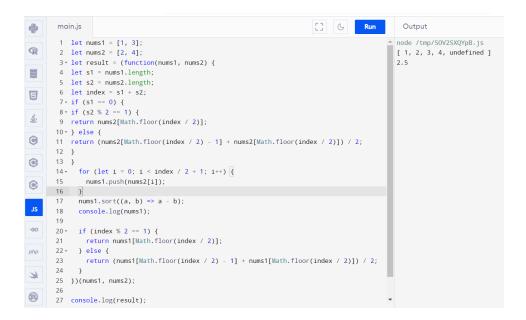
```
Write code in JavaScript ES6
               1 var numbers = [1,2,3,4,5];
                2 let result = (function(arr, n) {
                                        function isPalindrome(num) [
              3
                                                 let str = "" + num;
              4
               5
                                                 let len = str.length;
                                                 for (let i = 0; i < parseInt(len / 2, 10); i++) {
                6
                                                   if (str[i] !== str[len - 1 - i]) {
               7
              8
                                                                   return false;
              9
                                                            }
                                                 }
            10
            11
                                                   return true;
           12
                                       }
            13
                                        // Traversing each element of the array and check if it is palindrome or
                                        for (let i = 0; i < n; i++) {
            14
                                           let ans = isPalindrome(arr[i]);
            15
            16
                                           if (ans === false) {
            17
                                                              return false;
           18
           19
            20
                                        return true;
            21 })([1, 2, 3], 3);
            22
            23 console.log(result);
    Visualize Execution | NEW: Get Al Help
                                                                                                                                                                                    If you use ChatGPT or other AI, take this survey
\boxed{\text{hide exited frames [default] } \boldsymbol{\vee} \\ \boxed{\text{inline primitives, don't nest objects [default] } \boldsymbol{\vee} \\ \boxed{\text{draw pointers as arrows [default] } \boldsymbol{\vee} \\ \boxed{\text{draw pointers arrows [default] } \boldsymbol{\vee}
```

Show code examples

6 Return median of two sorted arrays of the same size. (Anonymous function)

```
main.js
                                                                          [] G Run
                                                                                                  Output
÷
       1 * var sortedArrays = function(nums1, nums2) {
                                                                                                node /tmp/SOV2SXQYpB.js
      2 let s1 = nums1.length;
3 let s2 = nums2.length;
4 let index = s1 + s2;
5 * if (s1 == 0) {
            if (s2 % 2 == 1) {
5
               return nums2[Math.floor(index / 2)];
             } else {
                return (nums2[Math.floor(index / 2) - 1] + nums2[Math.floor(index / 2)]) / 2;
(
      12 * for (let i = 0; i < index / 2 + 1; i++) {
(3)
      13 nums1.push(nums2[i]);
      15 nums1.sort((a, b) => a - b);
      16 * if (index % 2 == 1) {
      17
              return nums1[Math.floor(index / 2)];
           } else {
      19    return (nums1[Math.floor(index / 2) - 1] + nums1[Math.floor(index / 2)]) / 2;
      20
      21 };
      22 const nums1 = [1, 3];
      23 const nums2 = [2];
      24 console.log(sortedArrays(nums1, nums2));
```

6.1 Return median of two sorted arrays of the same size. (IIFE)



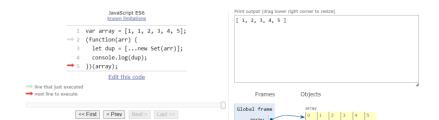
Python Tutor: Visualize code in Python, JavaScript, C, C++, and Java

7 Remove duplicates from an array (anonymous function)

Done running (6 steps)

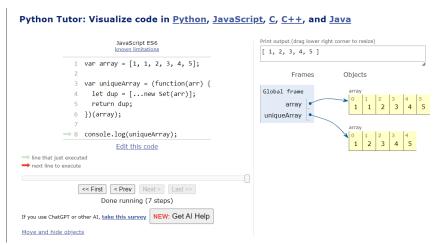
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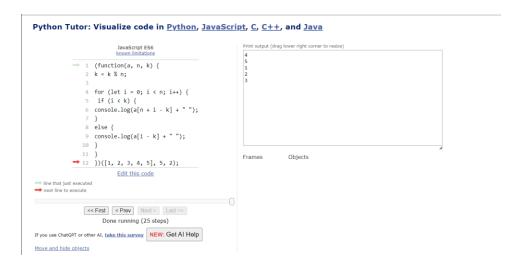


7.1 Remove duplicates from an array (IIFE)

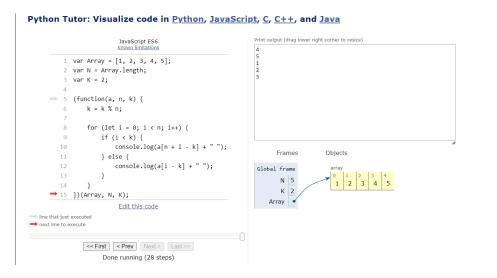
Move and hide objects



8 Rotate an array by k times (anonymous function)

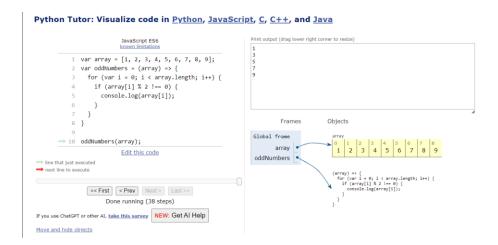


8.1 Rotate an array by k times (IIFE)

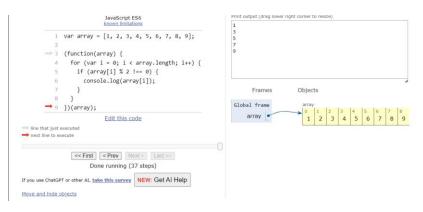


Arrow functions.

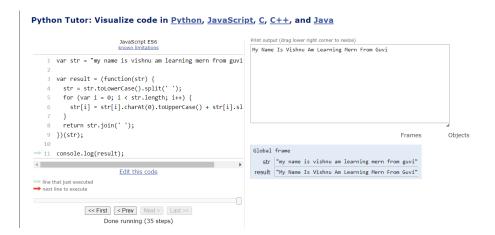
1. print odd numbers in array



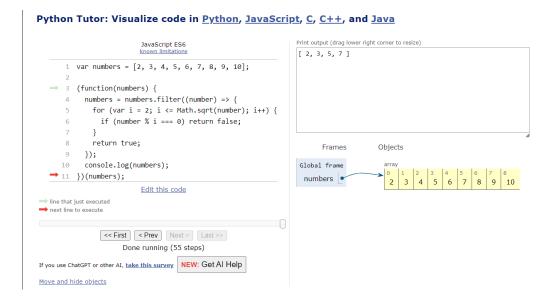
2 Convert all the strings to title caps in a string array



3. Sum of all numbers in an array



4. Return all the prime numbers in an array



5. Return all the palindromes in an array

