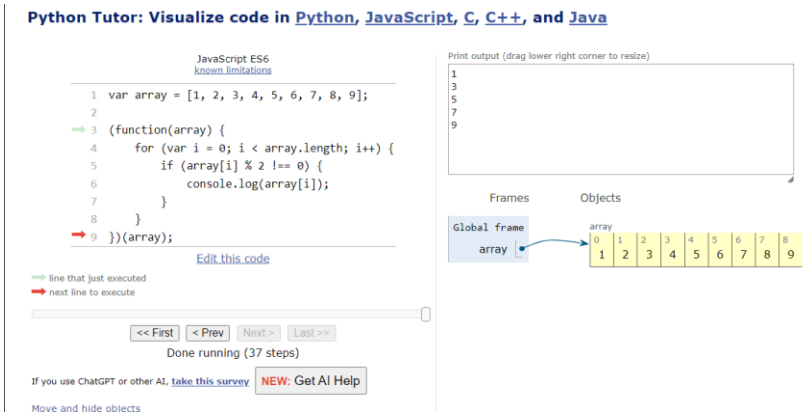
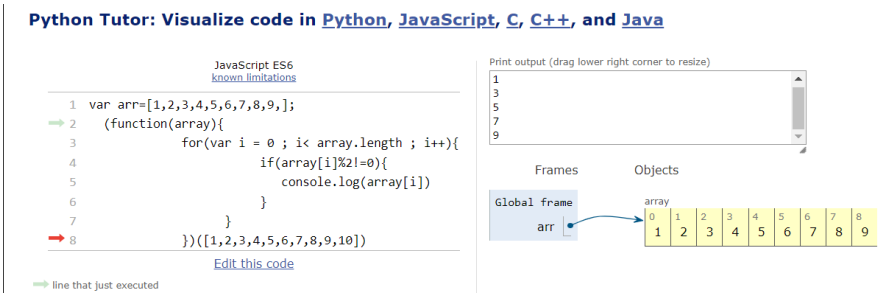
programs in anonymous function & IIFE

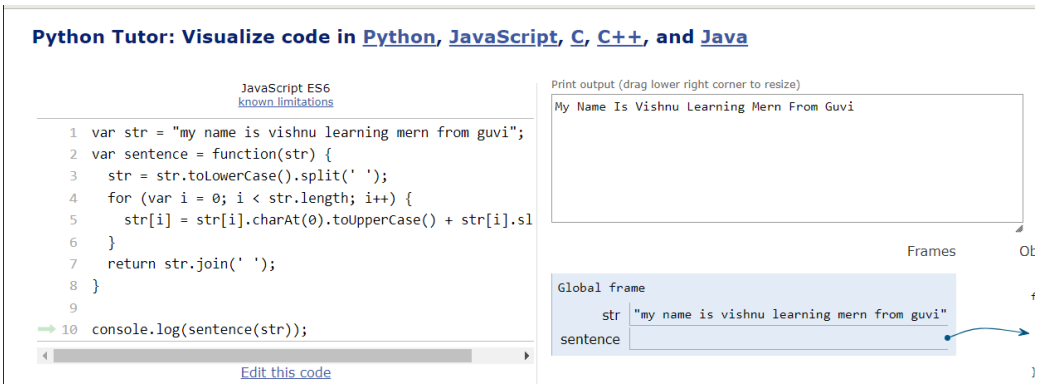
1. Print odd numbers in an array (anonymous function)



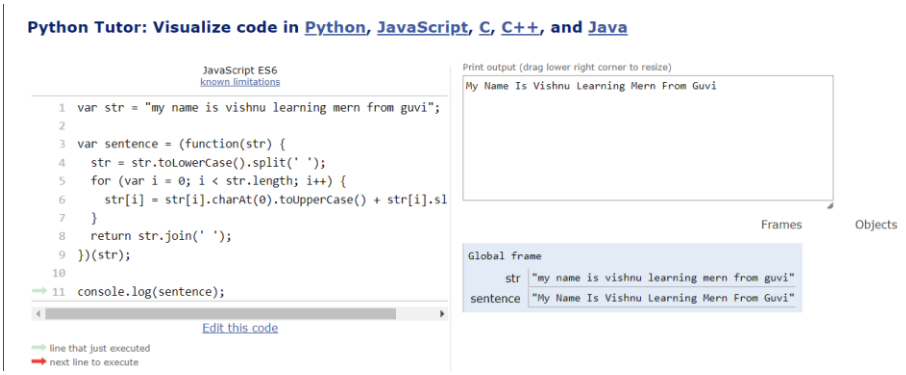
1.1 Print odd numbers in an array (IIFE)



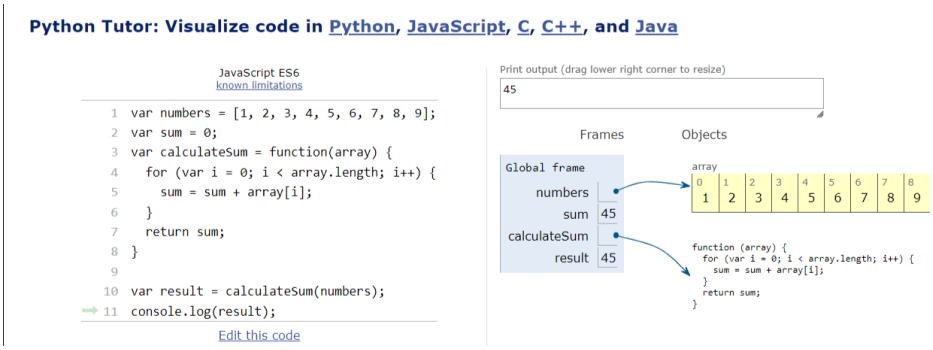
2. Convert all the strings to title caps in a string array (anonymous function)



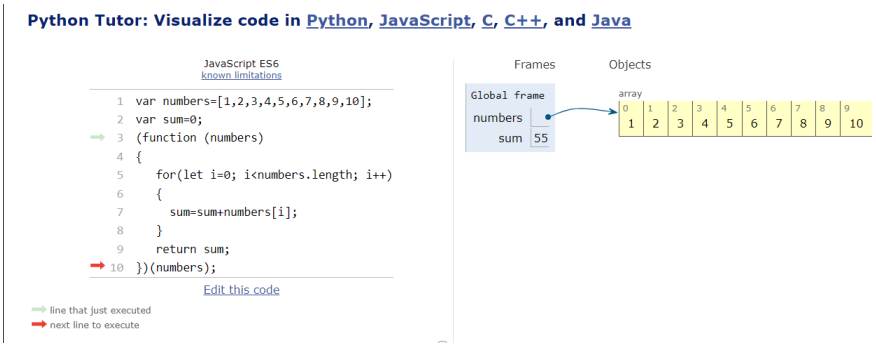
2.1 Convert all the strings to title caps in a string array (IIFE)



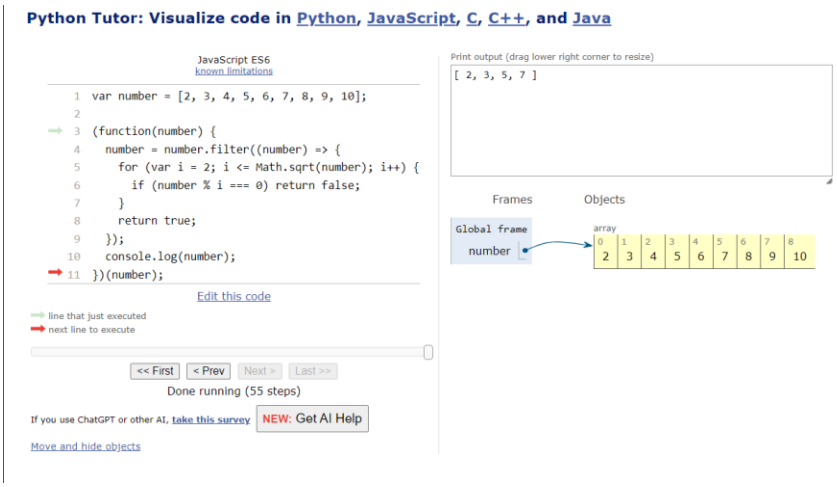
3. Sum of all numbers in an array (anonymous function)



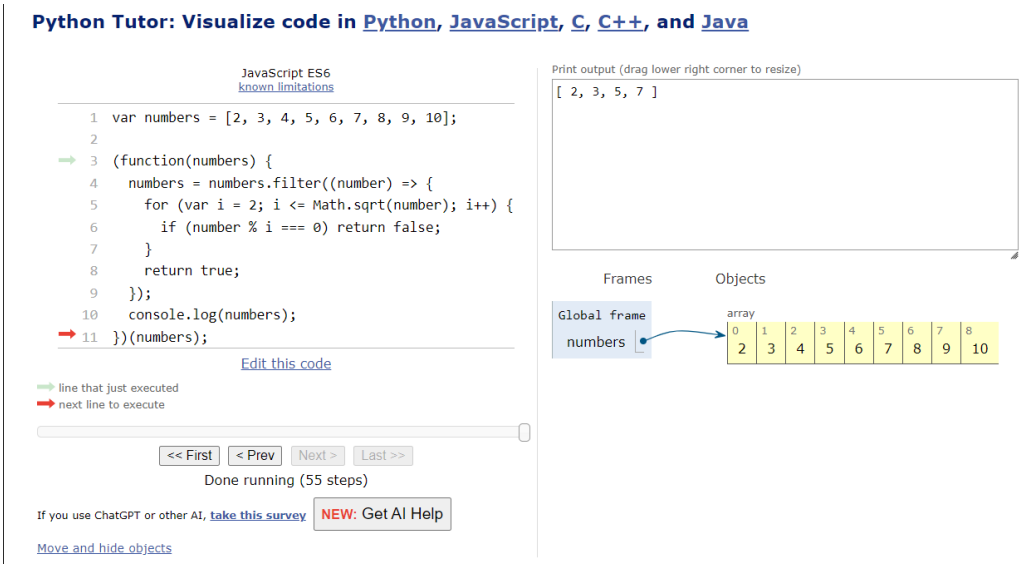
3.1 . Sum of all numbers in an array (IIFE)



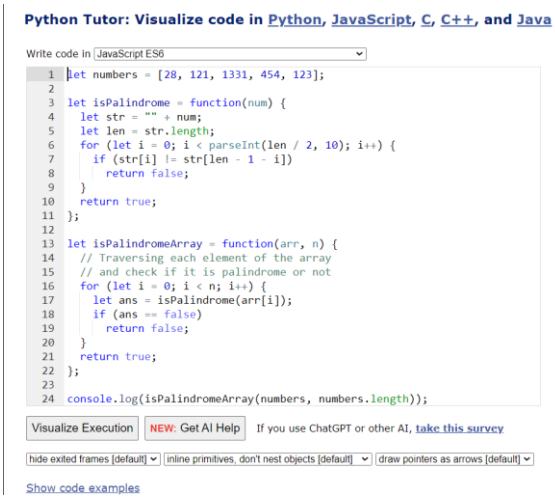
4. Return all the prime numbers in an array (anonymous function)



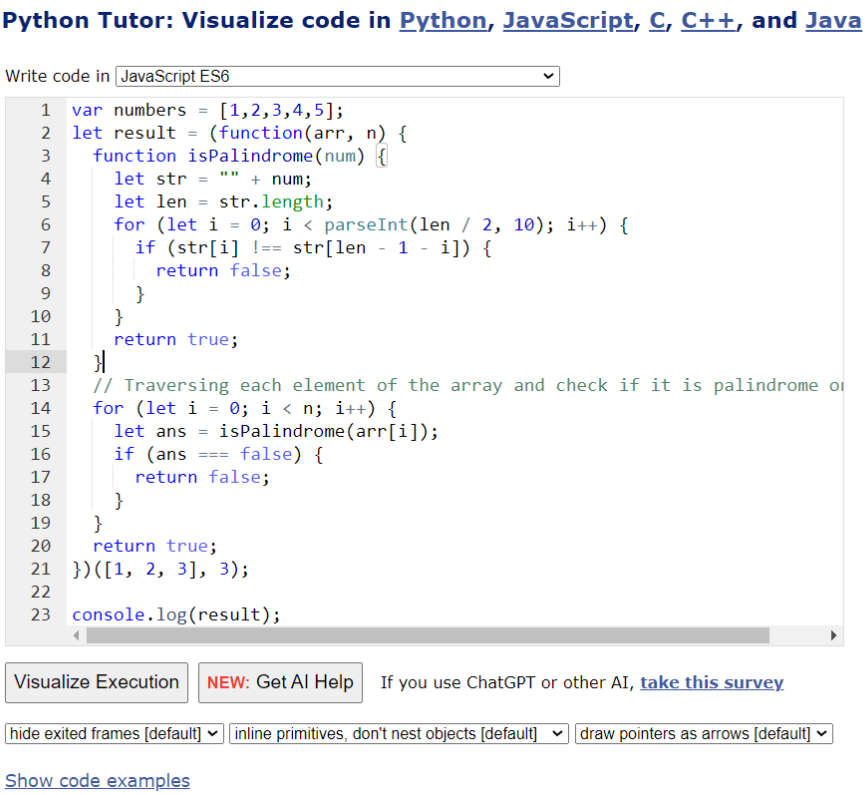
4.1 Return all the prime numbers in an array (IIFE)



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



5.1 Return all the palindromes in an array (IIFE)



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

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

main.js

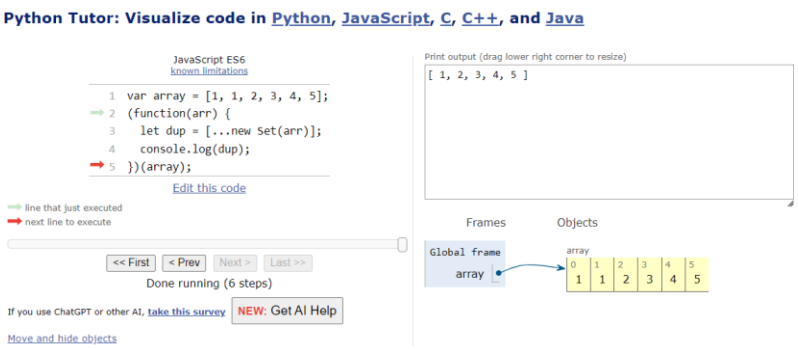
Run

Output

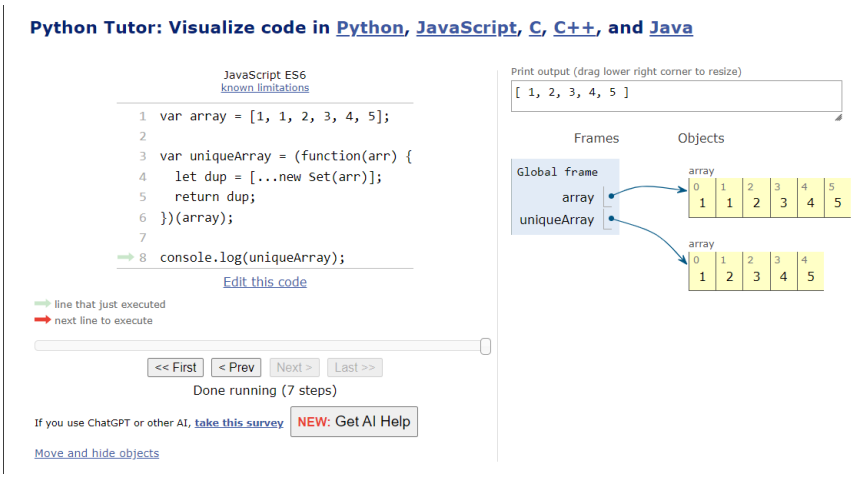
```
let nums1 = [1, 3];
let nums2 = [2, 4];
let result = (function(nums1, nums2) {
let s1 = nums1.length;
let s2 = nums2.length;
let index = s1 + s2;
if (s1 == 0) {
if (s2 % 2 == 1) {
return nums2[Math.floor(index / 2)];
} else {
return (nums2[Math.floor(index / 2) - 1] + nums2[Math.floor(index / 2)]) / 2;
}
}
  for (let i = 0; i < index / 2 + 1; i++) {
    nums1.push(nums2[i]);
  }
  nums1.sort((a, b) => a - b);
  console.log(nums1);

  if (index % 2 == 1) {
    return nums1[Math.floor(index / 2)];
  } else {
    return (nums1[Math.floor(index / 2) - 1] + nums1[Math.floor(index / 2)]) / 2;
  }
})(nums1, nums2);

console.log(result);
```

```
node /tmp/SOV2SXQYpB.js
[ 1, 2, 3, 4, undefined ]
2.5
```

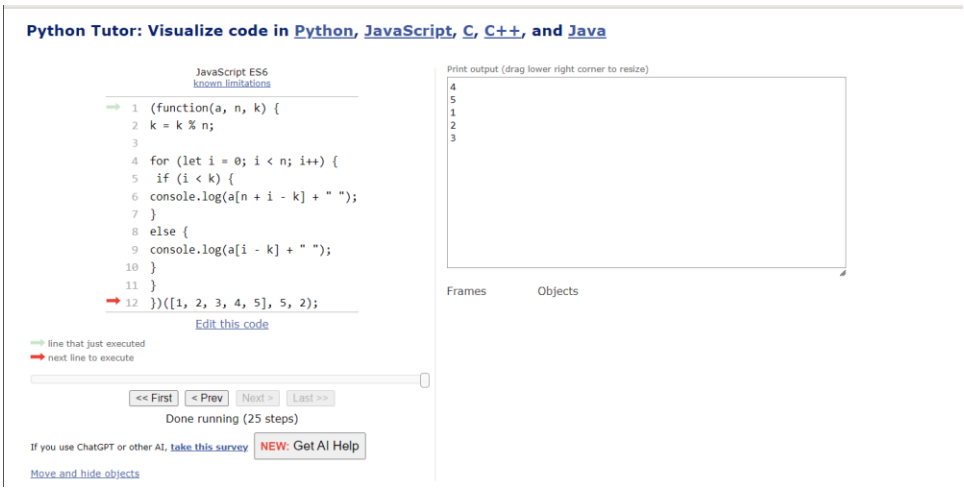
7 Remove duplicates from an array (anonymous function)



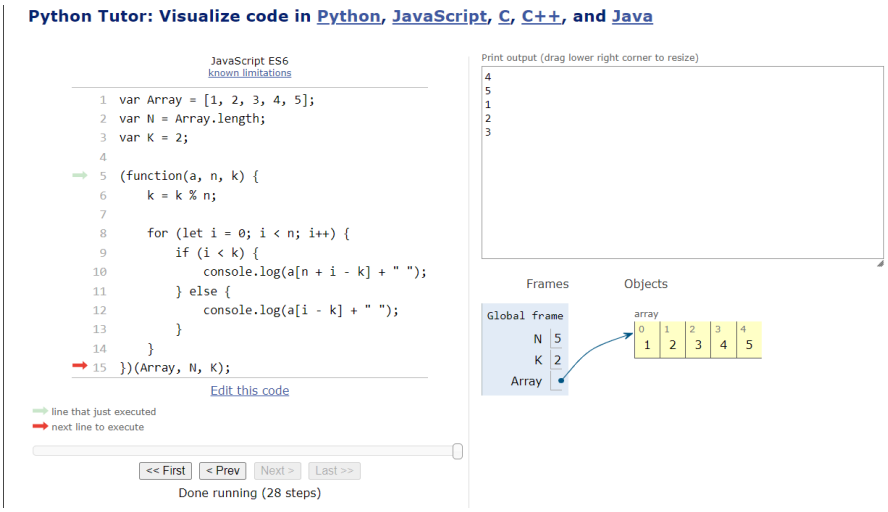
7 .1 Remove duplicates from an array (IIFE)



8 Rotate an array by k times (anonymous function)

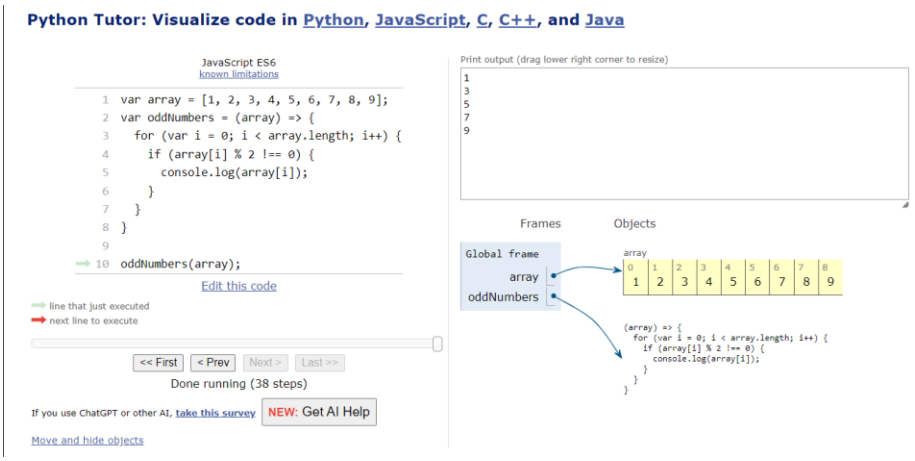


8 .1 Rotate an array by k times (IIFE)

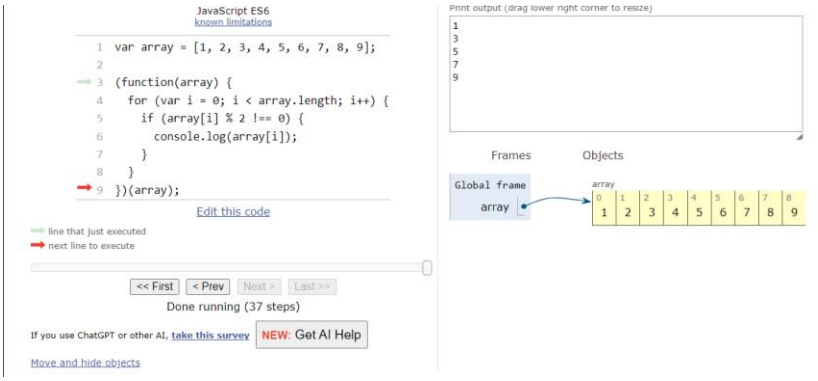


Arrow functions.

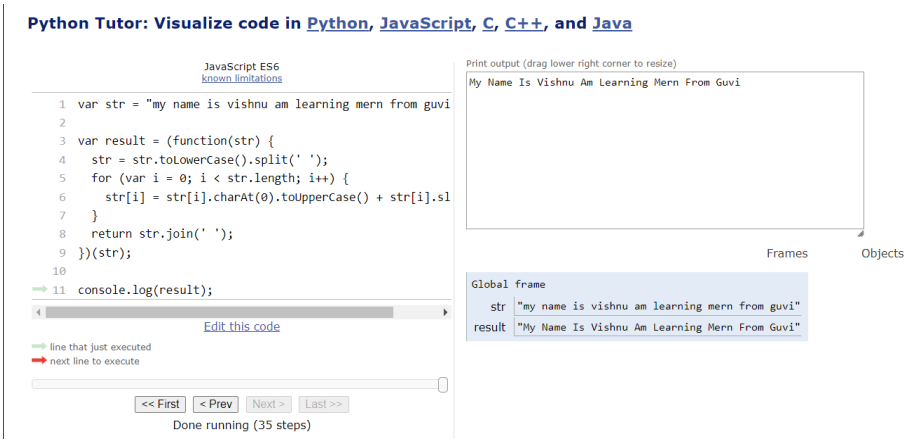
1. print odd numbers in array



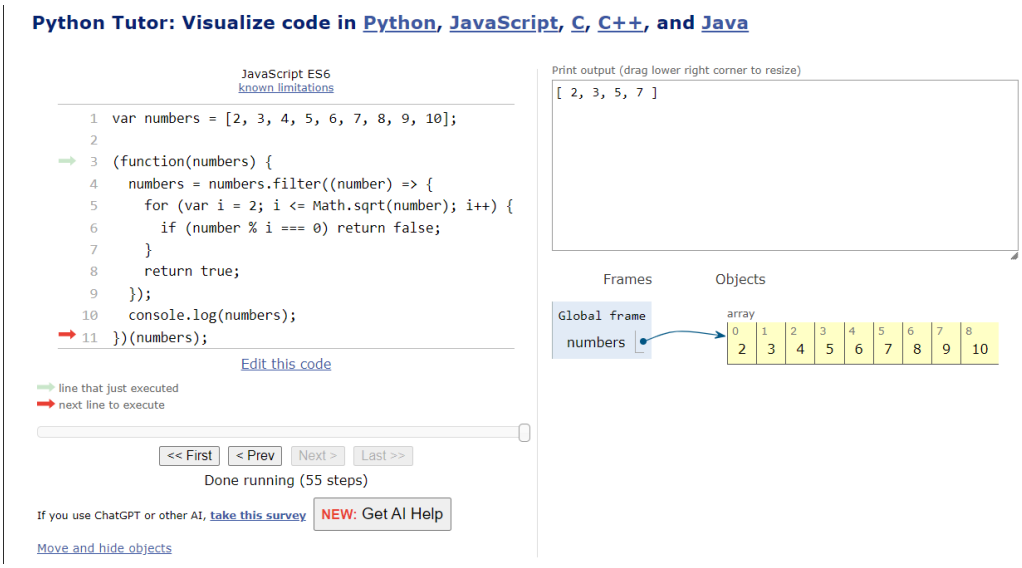
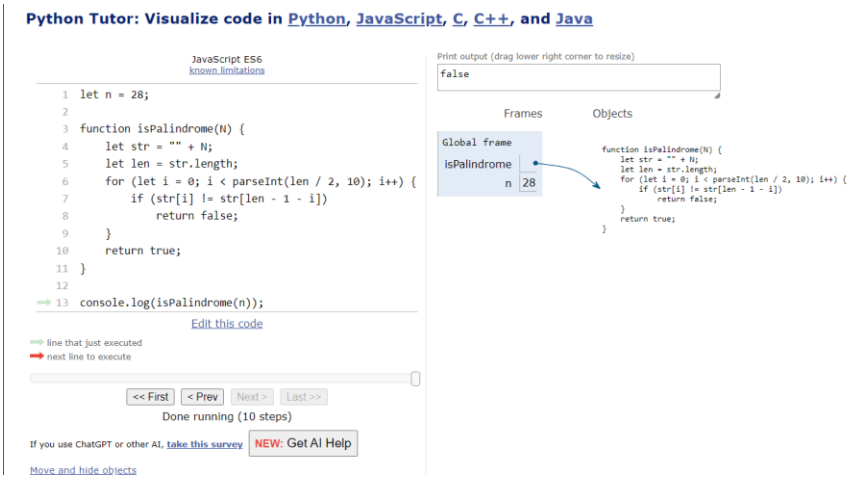
2 Convert all the strings to title caps in a string array



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