(1) Write a C function to return the index of LAST occurrence of a number in a given array. Array index start from 0. If the item is not in the list return -1.

(2) Write a C function to return the maximum and minimum number in an array and their indexes.

(3) Write a C function that return 0 if a given number is a power of 3, otherwise return 1.

(4) Write a C function that take two numbers and return array contain all numbers between the two given numbers. (numbers 2,6->return array contain [3,4,5]).

(5) Write c function to find the most repeated number in an array of integers.

(6) Write a C function to take an array and reverse its elements.

(7) Write a C function to take 2 arrays and swap them (try with 2 different sizes).

(8) Write a C function that return the count of the longest consecutive occurrence of a given number in an array.
Array= {1,2,2,3,3,3,3,4,4,4,4,3,3,3} and searching for 3 -> result = 4.

(9) Write a C function that return the count of the longest consecutive occurrence of any number ,and return the number
Array={1,2,2,3,3,3,3,4,4,4,4,4,3,3,3} result -> 5 ,number -> 4.

(10) Write c function to take 2 arrays and return an array by merging them like this (arr1={1,2,3,4,5},arr2={11,12,13,14,15} return arr3={1,11,2,12,3,13,4,14,5,15}).

(11) Write a c function that removes the repeated number of an input sorted array and return a new array without the repeated numbers.

(12) Write c function to take an array (with unknown size) contain 2 zeros swap the 3 element after the first zero with the 3 element after the second zero (x,x,x,0,1,2,3,xxxx,0,5,6,7,xxxx ->swap 1,2,3with 5,6,7).

(13) Write c function to take an array and return the biggest difference between 2 numbers in the array (the smaller number must come first in the array) {10,1,5,3,6,8,7,2}->return 7 difference between 1,8.

(14) Write c function to find the most repeated number in an array of char (size of the array is very large) try to optimize your code.

(15) Write a C Function that swaps two pointers.

(16) Write a C function to get the nth term of Fibonacci series, and use it to print the first 20 element.

(17) Write a C function to take 10 mono numbers (from 0to 9) from user and return the most repeated one, if user enter number bigger than 9 return -1(don't use arrays).