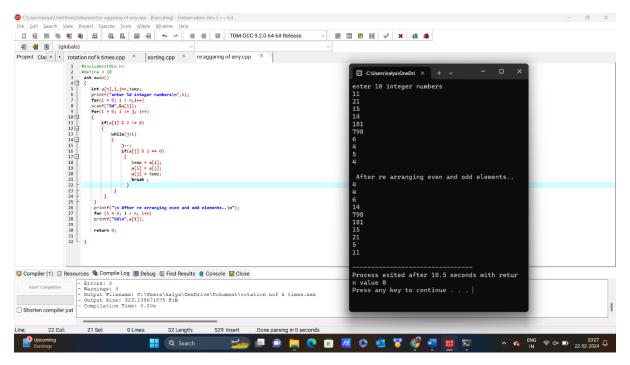
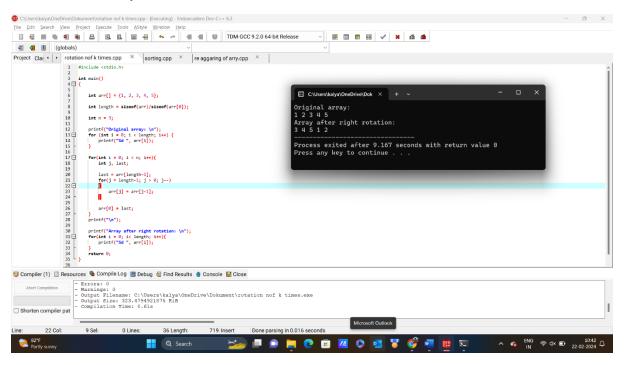
# **C** programming

## Day -2

### Rearranging of array by odd elements first then even elements



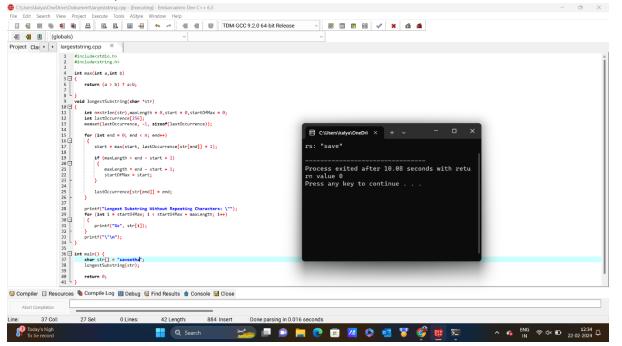
#### 2. rotation of array in k times



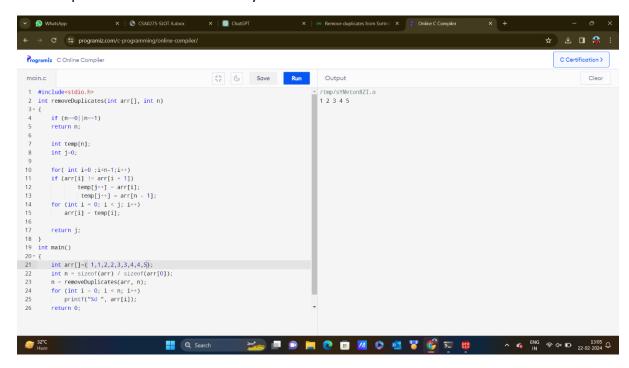
#### 3.largest subarray in 0s and 1s

```
Programiz C Online Compiler
                                                                                                                                                     C Certification >
                                                      Save Run
  main.c
                                                                                   Output
  1 #include <stdio.h>
                                                                                    /tmp/CuWz9Av5iz.o
  2 #include <stdlib.h>
                                                                                    The length of the longest subarray with equal number of Os and 1s is: 8
  3* int findMaxLength(int* nums, int numsSize) {
         int* prefixSum = (int*)malloc((2 * numsSize + 1) * sizeof(int));
5 int maxLength = 0;
6 for (int i = 0; i < 2 * numsSize + 1; i++) {
           prefixSum[i] = -2;
        int sum = 0;
  10
        int index;
        for (int i = 0; i < numsSize; i++) {
  11 -
         sum += (nums[i] == 0) ? -1 : 1;
if (sum == 0) {
  14
                maxLength = i + 1;
        15 -
  16
            } else {
  19+
                maxLength = (i - prefixSum[index] > maxLength) ? i -
 20
                      prefixSum[index] : maxLength;
 21
  22
 23
 24
         free(prefixSum):
        return maxLength:
```

## 4.deletion of duplicate



#### 5.non repeaterd elements in an array



6.

```
| Continue | Comparison | Continue | Conti
```

## 7.median of given array.

