

```
public static void main (string to args) {
 Scanner s = new Scanner (System.in)
  Int n = s next Int();
  int []a = new int [n];
                                        OTime complexity; O(n)
 tox(int i=0; i<n; it+)
                                       a space lomplexity : O(n)
      a [i] = s. next Int();
 int m = s. nextInt();
 int [] b = new int [m];
 for (int i=0; i < m; i++)
     b [i] = 5. nex+ Int();
 int [] merged Array = merge Two Sorted Array (a, b);
 print (merged Away);
public static void occorde print (int [] 988)
      tor (int i=0; i < arr. length; i++)?
           System.ont. print lu (arr [i]);
public static int [] mergeTwoSorted Array (int []a, int []b)
    int [] ans = new int [a.length + b. length];
    int i=0; - Array Ope travel pe Kome Re lige pointes
    int j=0;-> ---- 0
                            jx 6. leng th )] ne koi sa pura ha ho
jaye tab tak chalega!
    int k = 0; -> --- (Aus)
   while (i < a. Length &k
    ? if (acij < b [j])
                                Agas Array () ki (ith) value choti
hui Array () ki (ith) value se
             ans [K] = ali];
                                 toh vo Array (Ans) Ke
              itti
             K++;
                                 pe yayegi!
         felse &
                                Vice-versa
              ans [K] = b [j];
               Jt+,
                             Jagar Array (1) pura traveral
   if ( i = = a - length ) }
                                to chuka to toh Array (1) Ke
    while ( j < b. length)
                                backey hung elements to
         ans CKI = bEjly
                               (Ans) Array me (kt) index
                              increase Krty huay Daldengy!
```