Merging Sorted Arrays Problem Statement Write a program to merge 2 sorted orays, Left (L) = $\%$ 1,3,6,73 f Right (R) = $\%$ 2,4,10,113, into a third oray (array) such that array oray in ascending order, O 1 2 3 LCJ = $\%$ 1 3 6 7 RCJ = $\%$ 2 4 10 11
Write a program to merge 2 sorted orays, Left (L) = 6 1, 3, 6 , 73 f Right (R) = 6 2, 4, 10, 113, into a third oray (array) such that array (ontains all elements from L[] f R[] array in ascending order.
Write a program to merge 2 600 ted orays, Left (L) = 6 1, 3, 6 , 73 f Right (R) = 6 2, 4, 10, 113, into a third oray (array form) 6uch that array (ontains all elements from L[] & K[] array in ascending order.
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$(R) = 62,4,10,113, into a third own y (apr) such that cools over y (apr) such that cools over y in ascending order, 0 1 23 \qquad 0 1 23 LG = 1 3 6 7 \qquad RG = 2 4 10 11$
contains all elements from LCJ & KCJ corray in ascending order. $0 1 2 3 \qquad 0 1 2 3$ $LCJ = 1 3 6 7 \qquad RCJ = 2 4 1 10 11 $
Contains all elements from LCJ & KCJ croray in ascending order. $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
in ascending sodes, $0 1 2 3$ $CG = 1 3 6 7$ $CG = 2 4 1 10 11$
LCJ = 1 3 6 7 RCJ = 2 4 1 20 21
LCJ = 1 3 6 7 RCJ = 2 4 1 20 21
iffe 1
j x=j
elso K 7 2 3 4 6 7 10 121
place; ink sosted (ascending)
3
int L[] = {1,3,6,73;
int R[] = $62, 4, 10, 113;$
1, 1, 10, 119,
int n1 = L length; # length = 4
Int no - O
If Celate len variable to store the numbers coray 8776. Int len = $n1 + n2$?
int len = n1 + n2;
int oor[] = new int[len];
// Intial indexes of 1st & 2nd subarrays.
int $i=0$, $j=0$;

Il Initial index of merged subarray. int K = 0? while Cixn1 && j<n2)f if (L [i] (= R [i]) { adr[K] = L[i]; else 6 aratk] = Rtjj. K++; Il lopy remaining elements of LED if only remains. While (ixn2) & arck] = LCiJ; K++; Il copy remaining elements of RO if my remains. while (jxn2) & gootk) = RCjJ; jtt; Ktt; food (int m: om) 6 System. out, point (m + " ");