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Program To Merge Two Sorted Array
#include <stdio.h>
int main()
    int array1[50], array2[50], array3[100], m, n, i, j, k=0;
    printf("Enter the size of array 1:");
    scanf("%d",&m);
    printf("Enter sorted elements of array 1:");
    for(i=0;i<m;i++)
        scanf("%d", &array1[i]);
    printf("Enter the size of array 2:");
    scanf("%d",&n);
    printf("Enter sorted elements of array 2:");
    for(i=0;i<n;i++)
        scanf("%d", &array2[i]);
    i=j=0;
    while (i \le m \& \& j \le n)
        if(array1[i] < array2[j])</pre>
            array3[k] = array1[i];
            i++;
            k++;
         }
        else
         {
            array3[k] = array2[j];
            j++;
            k++;
        }
     }
        while (i < m)
            array3[k] = array1[i];
            i++;
            k++;
        }
        while (j < n)
            array3[k] = array2[j];
             j++;
             k++;
        }
        printf("\nAfter Merging:");
        for(i=0;i<m+n;i++)
            printf("\n%d",array3[i]);
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}
return 0;
}
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