

```

#include <stdio.h>

int main() {
    // Size of the arrays
    int m, n;

    printf("Enter the size of nums1: ");
    scanf("%d", &m);

    printf("Enter the size of nums2: ");
    scanf("%d", &n);

    int nums1[m], nums2[n];

    printf("Enter elements for nums1 in ascending order:\n");
    for (int i = 0; i < m; ++i) {
        scanf("%d", &nums1[i]);
    }

    printf("Enter elements for nums2 in ascending order:\n");
    for (int i = 0; i < n; ++i) {
        scanf("%d", &nums2[i]);
    }

    printf("Sum of the two sorted arrays: ");

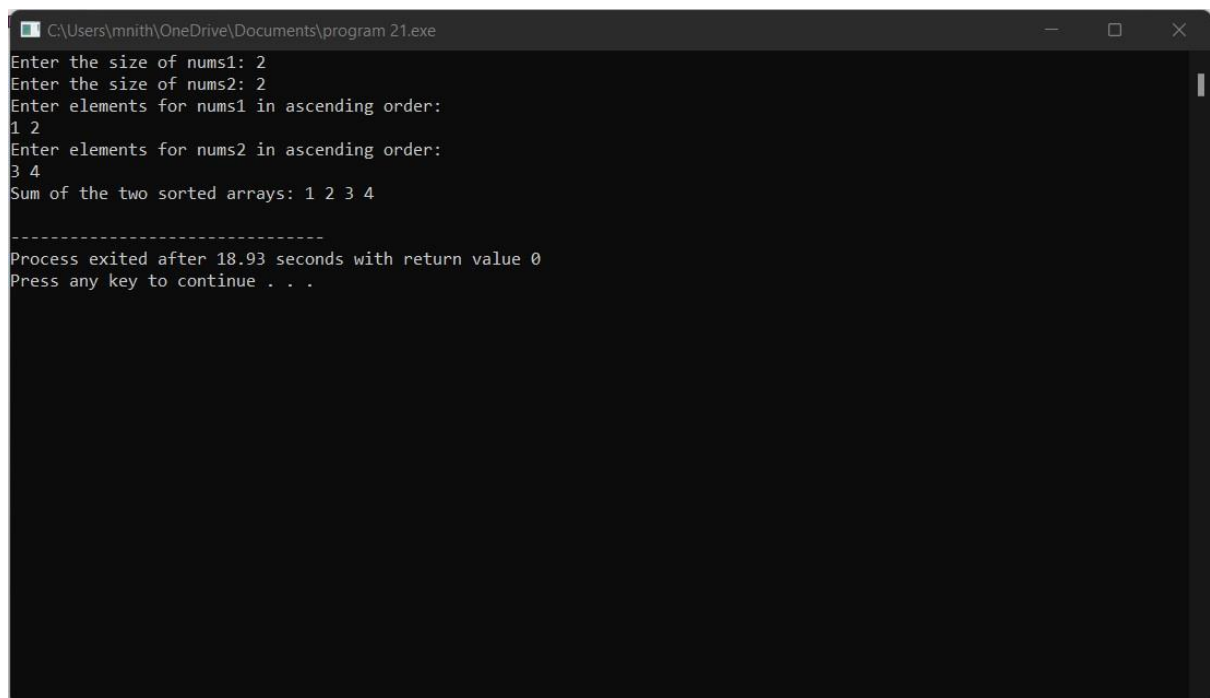
    int i = 0, j = 0;

    while (i < m && j < n) {
        if (nums1[i] < nums2[j]) {
            printf("%d ", nums1[i]);
            i++;
        } else {
            printf("%d ", nums2[j]);
            j++;
        }
    }

    while (i < m) {
        printf("%d ", nums1[i]);
        i++;
    }
}

```

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}  
  
while (j < n) {  
    printf("%d ", nums2[j]);  
    j++;  
}  
  
printf("\n");  
  
return 0;  
}
```



```
C:\Users\mnith\OneDrive\Documents\program 21.exe  
Enter the size of nums1: 2  
Enter the size of nums2: 2  
Enter elements for nums1 in ascending order:  
1 2  
Enter elements for nums2 in ascending order:  
3 4  
Sum of the two sorted arrays: 1 2 3 4  
  
-----  
Process exited after 18.93 seconds with return value 0  
Press any key to continue . . .
```