```
#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;
}
```