

```
#include void swap(int *a, int *b) { int temp = *a; *a = *b; *b = temp; } void bubbleSort(int arr[], int n) { for (int i = 0; i < n - 1; i++) { for (int j = 0; j < n - i - 1; j++) { if (arr[j] > arr[j + 1]) { swap(&arr[j], &arr[j + 1]); } } } } int main() { int size; printf("Enter the size of the arrays: "); scanf("%d", &size); int array1[size], array2[size], result[size]; printf("Enter elements for the first array:\n"); for (int i = 0; i < size; i++) { scanf("%d", &array1[i]); } printf("Enter elements for the second array:\n"); for (int i = 0; i < size; i++) { scanf("%d", &array2[i]); } bubbleSort(array1, size); bubbleSort(array2, size); for (int i = 0; i < size; i++) { result[i] = array1[i] + array2[i]; } printf("\nSorted Array 1: "); for (int i = 0; i < size; i++) { printf("%d ", array1[i]); } printf("\nSorted Array 2: "); for (int i = 0; i < size; i++) { printf("%d ", array2[i]); } printf("\nSum of corresponding elements: "); for (int i = 0; i < size; i++) { printf("%d ", result[i]); } printf("\n"); return 0; }
```