**42. Merge two array**

**PROGRAM:**

#include <iostream>

int main() {

int arr1[] = {1, 2, 3, 4};

int size1 = sizeof(arr1) / sizeof(arr1[0]);

int arr2[] = {5, 6, 7, 8, 9};

int size2 = sizeof(arr2) / sizeof(arr2[0]);

int mergedSize = size1 + size2;

int merged[mergedSize];

for (int i = 0; i < size1; ++i) {

merged[i] = arr1[i];

}

for (int i = 0; i < size2; ++i) {

merged[size1 + i] = arr2[i];

}

std::cout << "Merged array: ";

for (int i = 0; i < mergedSize; ++i) {

std::cout << merged[i] << " ";

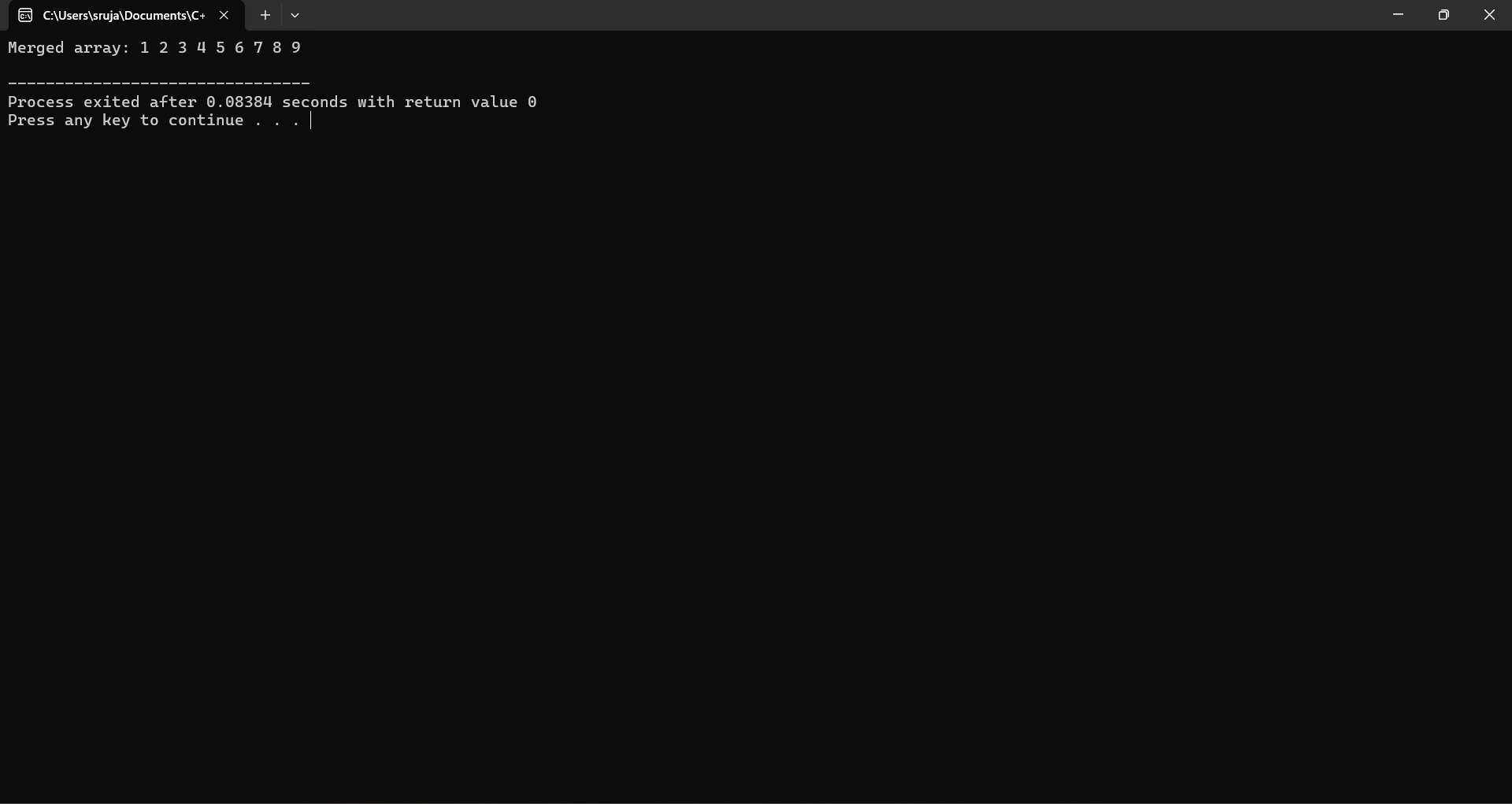
}

std::cout << std::endl;

return 0;

}

**OUTPUT:**

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