**36. Program to insert an element in an array at a specific position**

**PROGRAM:**

#include <iostream>

int main() {

int arr[100], size, position, element;

std::cout << "Enter the number of elements in the array: ";

std::cin >> size;

std::cout << "Enter " << size << " elements: ";

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

std::cin >> arr[i];

}

std::cout << "Enter the position where you want to insert the element: ";

std::cin >> position;

std::cout << "Enter the element you want to insert: ";

std::cin >> element;

for (int i = size; i > position; --i) {

arr[i] = arr[i - 1];

}

arr[position] = element;

++size;

std::cout << "Array after insertion: ";

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

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

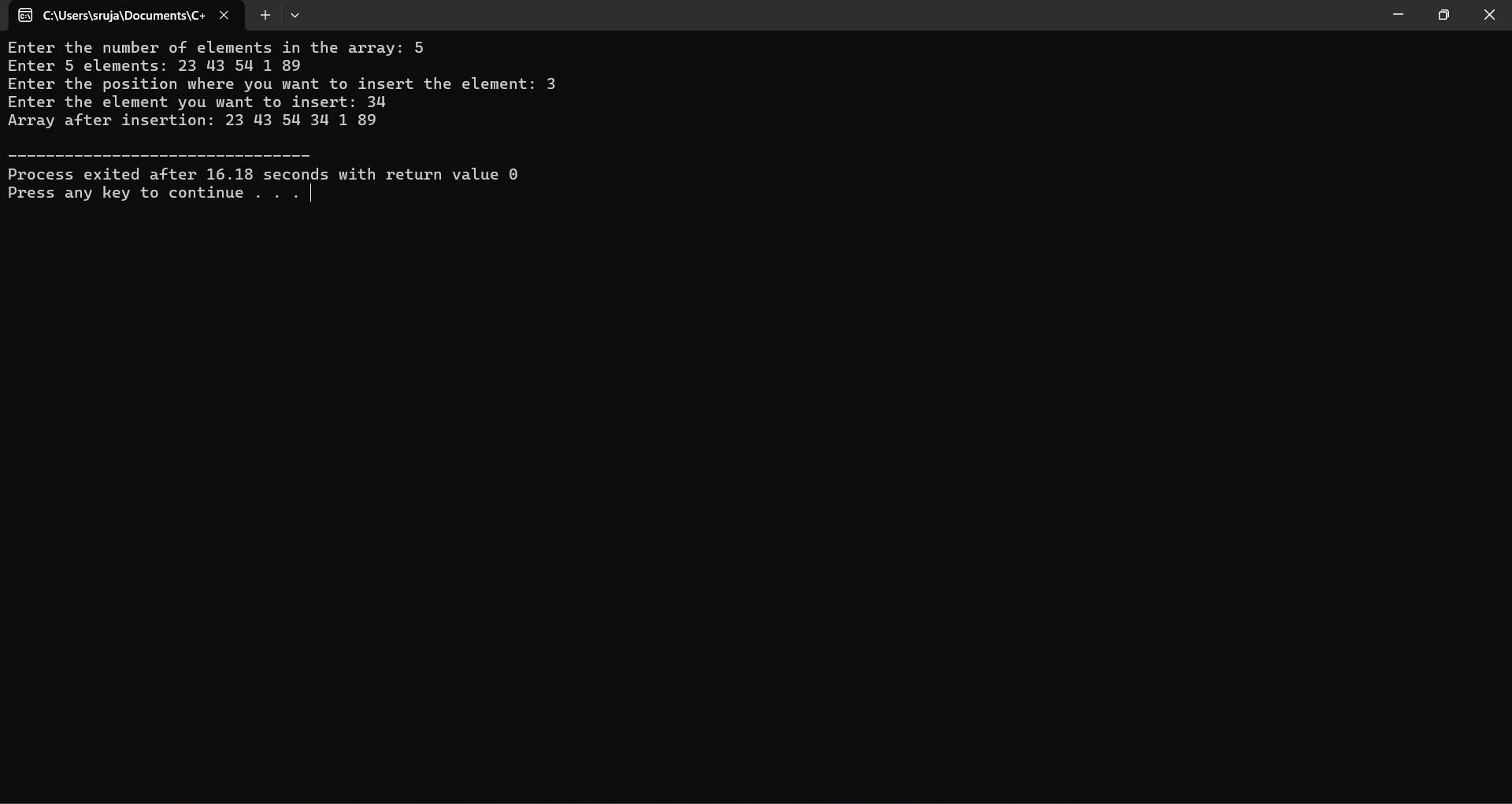
}

std::cout << std::endl;

return 0;

}

**OUTPUT:**

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