***Q1.*** ***Write a C++ program to swap the first and last element of an integer array of size 10.***

#include <iostream>

// Function to swap the first and last elements of an array

void swapFirstAndLast(int arr[], int size) {

// Check if the array has at least two elements

if (size >= 2) {

// Swap the first and last elements

int temp = arr[0];

arr[0] = arr[size - 1];

arr[size - 1] = temp;

}

}

int main() {

// Declare an integer array of size 10

int arr[10];

// Get user input for the array elements

std::cout << "Enter 10 integers for the array:" << std::endl;

for (int i = 0; i < 10; ++i) {

std::cout << "Enter element " << i + 1 << ": ";

std::cin >> arr[i];

}

// Display the original array

std::cout << "Original array:" << std::endl;

for (int i = 0; i < 10; ++i) {

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

}

std::cout << std::endl;

// Call the function to swap the first and last elements

swapFirstAndLast(arr, 10);

// Display the modified array

std::cout << "Array after swapping the first and last elements:" << std::endl;

for (int i = 0; i < 10; ++i) {

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

}

std::cout << std::endl;

return 0;

}