Write a C++ code for Linear Search

#include < iostream >

using namespace std;

void linearSearch(int a[], int n) {

int temp = -1;

for (int i = 0; i < 5; i++) {

if (a[i] == n) {

cout << "Element found at position: " << i + 1 << endl;

temp = 0;

break;

}

}

if (temp == -1) {

cout << "No Element Found" << endl;

}

}

int main() {

int arr[5];

cout << "Please enter 5 elements of the Array" << endl;

for (int i = 0; i < 5; i++) {

cin >> arr[i];

}

cout << "Please enter an element to search" << endl;

int num;

cin >> num;

linearSearch(arr, num);

return 0;

}