Move all zeroes to end of array

#include<iostream>

using namespace std;

int main()

{

int a[20],n,k=0;

cout<<"Enter the number of elements ";

cin>>n;

cout<<"Enter the array elements either 0 or 1: ";

for(int i=0;i<n;i++)

cin>>a[i];

for(int i=0;i<n;i++)

{

if(a[i] != 0)

{

a[k] = a[i];

k++;

}

}

for(int i=k;i<n;i++)

{

a[i] = 0;

}

cout<<"The new array is ";

for(int i=0;i<n;i++)

cout<<a[i]<<" ";

return 0;

}