Find missing number from array of N-1 numbers in the range 1 to N

#include<iostream>

using namespace std;

int main()

{

int a[10],n;

int ul;

int flag = 0;

cout<<"\nEnter the upper limit of the number ";

cin>>ul;

cout<<"\nEnter the number of elements in the array ";

cin>>n;

cout<<"\nEnter the elements of the array ";

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

cin>>a[i];

for(int i=1;i<=ul;i++)

{

flag = 0;

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

{

if(a[j] == i)

flag = 1;

}

if(flag == 0)

cout<<i<<" ";

}

return 0;

}