#include<iostream>

#include <random>

using namespace std;

default\_random\_engine dre;

uniform\_int\_distribution<> uid;

void set(int[], int[], int[],int&,int&);

int main()

{

    int fir[20];

    int sec[20];

    int thi[20];

    int even = 0;

    int odd = 0;

    for (int i = 0; i < 20; ++i)

        fir[i] = uid(dre) % 100 + 1;

    set(fir, sec, thi,even,odd);

    cout << "원 배열 출력: " << endl;

    for (int i = 0; i < 20; ++i)

        cout << fir[i] << " ";

    cout << endl;

    cout << "짝수 배열 출력: " << endl;

    for (int i = 0; i < even; ++i)

        cout << sec[i] << " ";

    cout << endl;

    cout << "홀수 배열 출력: " << endl;

    for (int i = 0; i < odd; ++i)

        cout << thi[i] << " ";

    cout << endl;

}

void set(int arr[], int Even[], int Odd[],int& eve,int& od)

{

    for (int i = 0; i < 20; ++i)

    {

        if (arr[i] % 2 == 0)

            Even[eve++] = arr[i];

        else

            Odd[od++] = arr[i];

    }

}