

```

#include <iostream>
using namespace std;
int main()
{
    int arr[100];
    int num = 1000, count, sum;
    cout << "Совершенные числа: " << endl;
    for(int x=1; x<num+1; x++){
        for(int y=1; y<x; y++){
            if(x%y==0){
                arr[count] = y;
                count=count+1;
            }
        }
        for(int m=0; m<count; m++){
            sum = sum + arr[m];
            if(x == sum){
                cout << x << " = ";
                for(int m=0; m<count; m++){
                    cout << arr[m] << " ";
                }
                cout << endl;
            }
        }
        fill_n(arr, 100, 0);
        count = 0;
        sum = 0;
    }
}

```