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//Answer to question #38751, Programming, C++

#include <iostream>

using std :: cout;
using std :: cin;
using std :: endl;

int main()
{
    int a0 = 0;
    int a1 = 0;
    int a2 = 0;
    int a3 = 0;
    cout << "Enter first two numbers..." << endl;
    cin >> a2 >> a1;
    cout << endl;

    while (a0 < 100)
    {
        if (a1%2 != 0) a0 = a1 + a2;
        else a0 = a1 + a2 + a3;
        cout << a0 << " ";
        a3 = a2;
        a2 = a1;
        a1 = a0;
    }
    cin.get();
    cin.get();
    return 0;
}
```