```cpp
//answer on question #38937, Programming, C++
//a


#include<iostream> // for cout and cin
#include <stdlib.h>  // for system
using namespace std;

int main()
{
        int sum = 0, i = 0;
        while (i < 101)
        {
                sum += i;
                i++;
        }
        cout << "Sum = " << sum << endl;
        system("PAUSE");
        return 0;
}


//b

#include<iostream> // for cout and cin
#include <stdlib.h>  // for system
using namespace std;

int main()
{
        int sum = 0, i = 7;
        while (i < 44)
        {
                sum += i;
                i += 4;
        }
        cout << "Sum = " << sum << endl;
        system("PAUSE");
        return 0;
}

//c
#include<iostream> // for cout and cin
#include <stdlib.h>  // for system
using namespace std;

int main()
{
        int sum = 0, i = 1, numbers = 0;
        while (true)
        {
                ++numbers;
                sum += i;
                i += 2;
                if (numbers == 400) break;
        }
        cout << "Sum = " << sum << endl;
        system("PAUSE");
```

```cpp
        return 0;
}


//d


#include <stdio.h>
#include<iostream> // for cout and cin
#include <stdlib.h>  // for system
using namespace std;

int main()
{
        int sum = 0, product = 1, numbers = 0, value;
        double average = 0.0;
        cout << "Input the numbers  the end of input 0" << endl;
        while (true)
        {
                cin >> value;
                if (value == 0) break;
                ++numbers;
                sum += value;
                product *= value;
                average = sum / (double)numbers;
        }
        cout << "Sum = " << sum << endl;
        cout << "Product = " << product << endl;
        cout << "Average = "; printf("%.2f", average);
        cout << endl;
        system("PAUSE");
        return 0;
}
```