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//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");  
}
```

```
        return 0;
    }

//d

#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;
}
```