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#include <iostream>
#include <cmath>
using namespace std;

long fact(int x);

int main()
{
    cout<<"Enter positive integers\n";
    int x = 0, n = 0;
    double sum = 0;
    cout<<"X = ";
    cin>>x;
    cout<<"n = ";
    cin>>n;
    for (int i = 1; i <= n; i++)
    {
        if( i % 2 == 1)
            sum += pow( (double) x, i) / fact (i);
        else
            sum -= pow( (double) x, i) / fact (i);
    }
    cout<<"Sum of series = "<<sum;
    cin.ignore(256, '\n');
    cin.get();
    return 1;
}

long fact(int x)
{
    long result = 1;
    for ( int i = 2; i <= x; i++)
        result *= i;
    return result;
}

```