

```

#include<iostream>
using namespace std;

int main()
{
    double x;
    cout << "Enter x:";
    cin >> x;
    int Firstn = x;
    double e = 1; // base
    double fact = 1; // factorial

    for (int i = 1; i <= 100; i++) // sum 100 first statemnts
    {
        for (int j = i; j >=1; j--) // compute factorial
        {
            fact *= j;
        }

        e += (x / fact);
        x *= Firstn;
        fact = 1;
    }

    cout << "The result is : " << e << endl;

    return 0; //indicate terminate successfully
}

```