```cpp
#include <iostream>
#include <iomanip>
using namespace std;

int main()
{
    int days_worked, increase = 2;
    double total_salary = 0, daily_salary = .01;

    cout << "Enter number of days worked: ";
    cin >> days_worked;

    while (cin.fail() || days_worked < 1)  //Input Validation: Do not accept a number less than 1
for the number of days worked.
    {
        cout << "Please enter a valid number. A valid number is 1 days work or more. \n";
        cin.clear();
        cin.ignore();

        cout << "Enter number of days worked: ";
        cin >> days_worked;

    }

    cout << setprecision(2) << fixed;
    cout << "Days worked \t Salary \n";
    cout << "------------------------- \n";

    for (int i = 1; i <= days_worked; i++)
    {
        total_salary += daily_salary;      // total_salary = total_salary + daily_salary
        cout << i << "\t\t " << " $" << daily_salary << endl;
        daily_salary *= increase;        //daily_salary = daily_salary * increase

    }

    cout << endl;
    cout << "Total salary for " << days_worked << " days worked is $" << total_salary << endl;

    return 0;
}
```