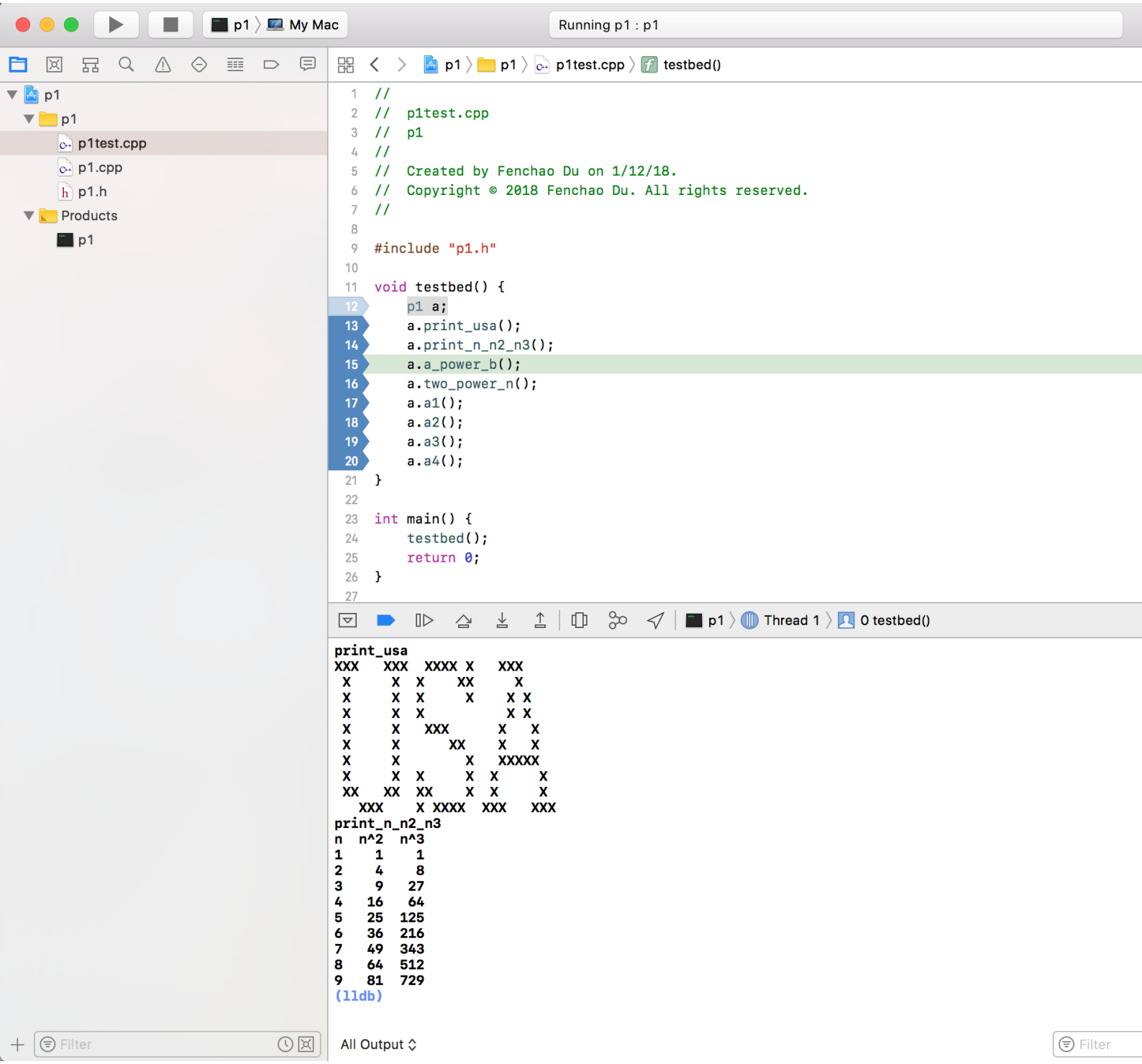
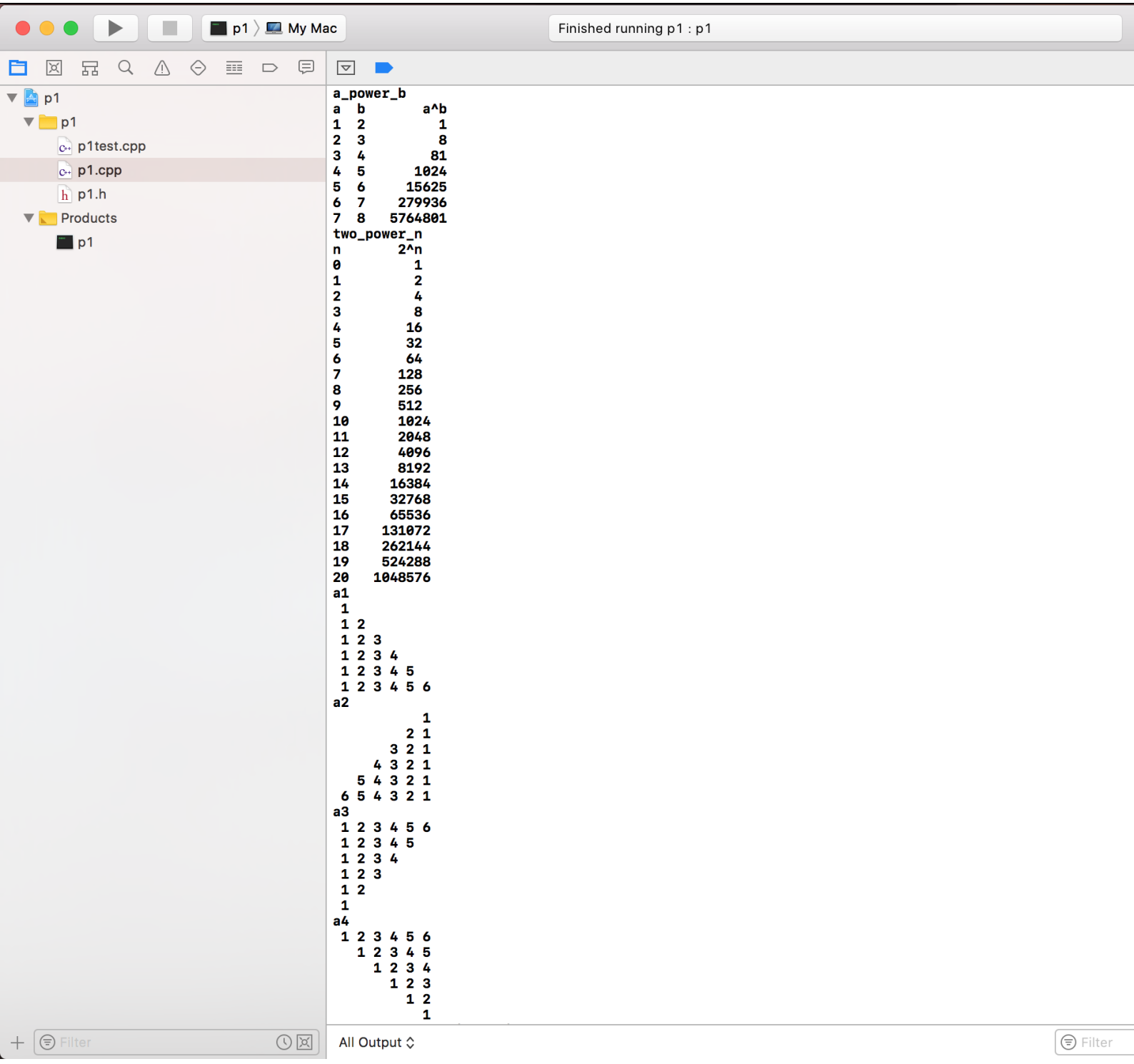
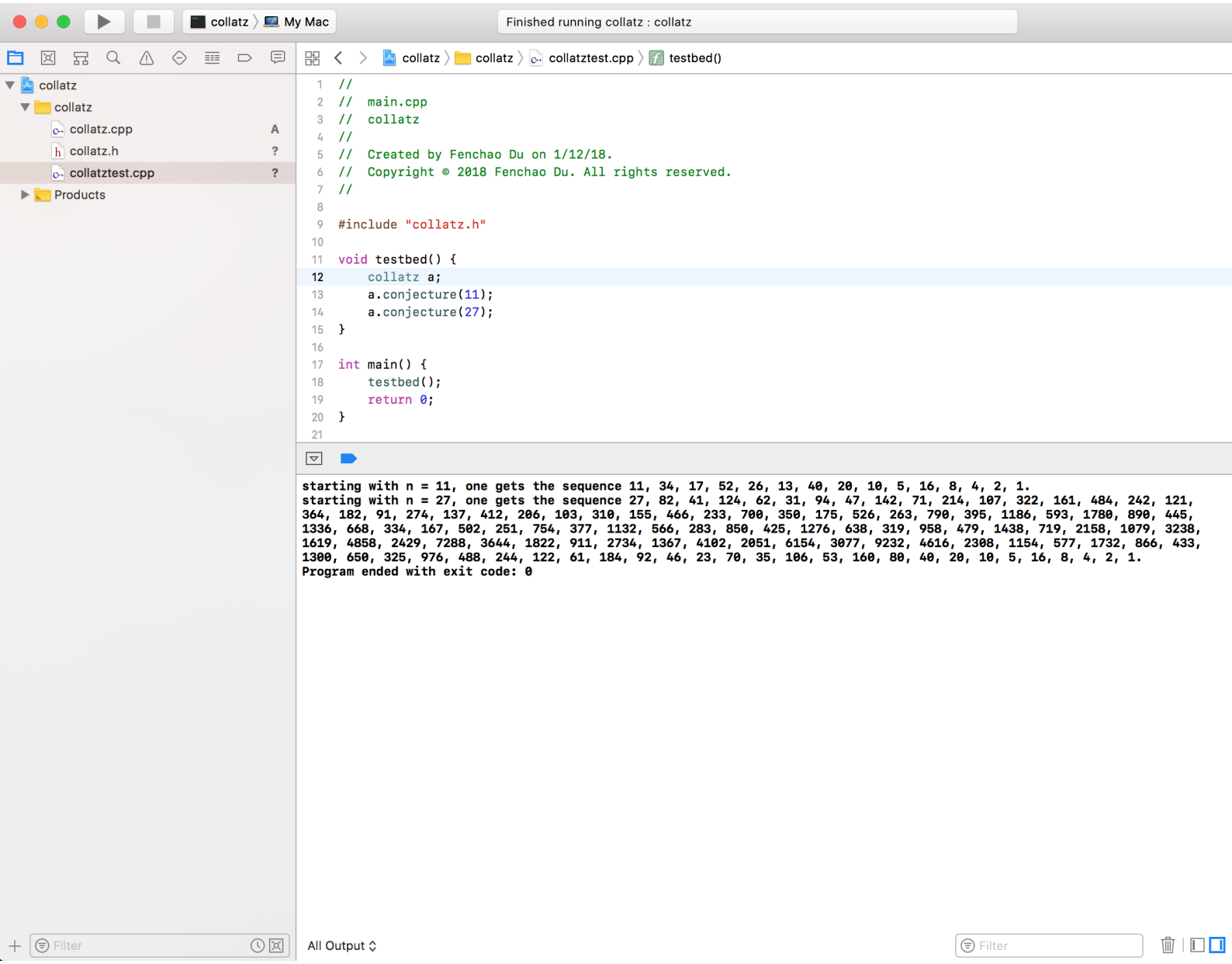

p1 〉 My Mac
Running p1 : p1
p1 〉 p1 〉 p1test.cpp 〉 testbed()
p1
p1
p1test.cpp
p1.cpp
p1.h
Products
p1
1 //
2 // p1test.cpp
3 // p1
4 //
5 // Created by Fenchao Du on 1/12/18.
6 // Copyright © 2018 Fenchao Du. All rights reserved.
7 //
8
9 #include "p1.h"
10
11 void testbed() {
12 p1 a;
13 a.print_usa();
14 a.print_n_n2_n3();
15 a.a_power_b();
16 a.two_power_n();
17 a.a1();
18 a.a2();
19 a.a3();
20 a.a4();
21 }
22
23 int main() {
24 testbed();
25 return 0;
26 }
27
p1 〉 Thread 1 〉 0 testbed()
print_usa
XXX XXX XXXX X XXX
X X X XX X
X X X X X X
X X X X X
X X XXX X X
X X XX X X
X X X XXXXX
X X X X X X
XX XX XX X X X
XXX X XXXX XXX XXX
print_n_n2_n3
n n^2 n^3
1 1 1
2 4 8
3 9 27
4 16 64
5 25 125
6 36 216
7 49 343
8 64 512
9 81 729
(lldb)
Filter
All Output
Filter


p1
My Mac
Finished running p1 : p1
p1
p1
p1test.cpp
p1.cpp
p1.h
Products
p1
a_power_b
a b a^b
1 2 1
2 3 8
3 4 81
4 5 1024
5 6 15625
6 7 279936
7 8 5764801
two_power_n
n 2^n
0 1
1 2
2 4
3 8
4 16
5 32
6 64
7 128
8 256
9 512
10 1024
11 2048
12 4096
13 8192
14 16384
15 32768
16 65536
17 131072
18 262144
19 524288
20 1048576
a1
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
a2
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
6 5 4 3 2 1
a3
1 2 3 4 5 6
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
a4
1 2 3 4 5 6
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
All Output
Filter
Filter


collatz
My Mac
Finished running collatz : collatz
collatz
collatz
collatztest.cpp
testbed()
collatz
collatz
collatz.cpp
collatz.h
collatztest.cpp
Products
//
// main.cpp
// collatz
//
// Created by Fenchao Du on 1/12/18.
// Copyright © 2018 Fenchao Du. All rights reserved.
//
#include "collatz.h"
void testbed() {
collatz a;
a.conjecture(11);
a.conjecture(27);
}
int main() {
testbed();
return 0;
}
starting with n = 11, one gets the sequence 11, 34, 17, 52, 26, 13, 40, 20, 10, 5, 16, 8, 4, 2, 1.
starting with n = 27, one gets the sequence 27, 82, 41, 124, 62, 31, 94, 47, 142, 71, 214, 107, 322, 161, 484, 242, 121,
364, 182, 91, 274, 137, 412, 206, 103, 310, 155, 466, 233, 700, 350, 175, 526, 263, 790, 395, 1186, 593, 1780, 890, 445,
1336, 668, 334, 167, 502, 251, 754, 377, 1132, 566, 283, 850, 425, 1276, 638, 319, 958, 479, 1438, 719, 2158, 1079, 3238,
1619, 4858, 2429, 7288, 3644, 1822, 911, 2734, 1367, 4102, 2051, 6154, 3077, 9232, 4616, 2308, 1154, 577, 1732, 866, 433,
1300, 650, 325, 976, 488, 244, 122, 61, 184, 92, 46, 23, 70, 35, 106, 53, 160, 80, 40, 20, 10, 5, 16, 8, 4, 2, 1.
Program ended with exit code: 0
Filter
All Output
Filter