

```
1 //What is the output of the following snippet ?
2
3 #include <iostream>
4 using namespace std;
5
6 class A
7 {
8 public:
9     float v;
10    A() { v = 1.0; } //default constructor
11    A(A& a) { A::v = a.v; cout << "1"; } //copy constructor
12    ~A() { cout << "0"; } //destructor : outputs 0 when an object
13                               //goes out of scope
14 };
15
16 int main()
17 {
18     //A a,b; //=>00
19
20     A a, b = a; //=>100
21     //1 : copy constructor is called because of b = a
22     // 00 : destructor is called twice because a and b went out
23     //of scope
24 }
```