

## A+ Computer Science – Inheritance Worksheet 5

**DIRECTIONS :** Fill in each blank with the correct answer/output. Assume each statement happens in order and that one statement may affect the next statement.  
Some sections might print more than once.

```
class J
{
    private static int x;
    public J() { x++;}
    public String toString() {
        return ""+x;
    }
}

class M{
    public M() { c++; }
    public double fun() { return 5; }
    public double back() { return fun(); }
    public String toString() {
        return x + " " + y + " " + c;
    }
    public static int count() { return c; }
    private int x, y;
    private static int c;
}

class N extends M{
    public N() { }
    public double fun() { return 7; }
    public double go() { return super.back(); }
    public double back() { return 2; }
    public String toString() {
        return "class N " + super.toString();
    }
}

//test code in the main method
J one = new J();
one = new J();
one = new J();
out.println(one);
one = new J();
one = new J();
one = new J();
one = new J();
one = new J();
out.println(one);

M two = new M();
out.println(M.count());
two = new M();
two = new N();
out.println(two.fun());
two = new N();
out.println(((N)two).go());
two = new M();
two = new N();
out.println(two);
out.println(N.count());
```

1. \_\_\_\_\_

2. \_\_\_\_\_