

Name: _____ BB id: _____

Workshop Leader: _____

CSC171 — Quiz 10

Instructions:

- Write your name and BlackBoard id CLEARLY at the top of this page.
- Copy and sign the declaration of academic honesty on this page.
- You have ten (10) minutes for this quiz once it starts.
- Keep your eyes on your own paper.
- **DO NOT TURN OVER THIS QUIZ UNTIL INSTRUCTED TO DO SO.**

Declaration of Academic Honesty:

I affirm that I will not give or receive any unauthorized help on this exam, and that all work will be my own.

Signed: _____ Date: _____

PLEASE KEEP YOUR EYES ON YOUR OWN PAPER

1. What is the output of the following code?

```
public class RecursionDemo {

    public static void main(String[] argv) {
        int a = 3;
        int b = 0;
        System.out.println("BEGIN");
        b = f(a);
        System.out.println("f(" + a + ")==" + b);
        System.out.println("END");
    }

    public static int f(int x){
        System.out.println("Enter: " + x);
        int retval;
        switch (x) {
            case 0: retval = 0; break;
            case 1: retval = 1; break;
            default:
                retval = f(x-1) + f(x-2);
                break;
        }
        System.out.println("Exit: " + retval);
        return retval;
    }
}
```