COMP 182 Quiz 1 — Monday Feb 5, 2006

For each question select the best answer. All questions are worth 1 point. The last three questions will have any answer counted as correct.

Problem 1. Which of the following variable types is a not a primitive?
   a) int  b) long  c) short  d) Scanner  e) boolean

Problem 2. What is printed out by this method?

```java
public static void prob2() {
    int i, j=1;
    for (i=6; i>=3 ; i--) {
        j = j*i;
    }
    System.out.println(j);
}
```

a) 60  b) 120  c) 360  d) 2520  e) none of these

Problem 3. What is printed out by this method?

```java
public static void prob3() {
    int j=100;
    while (j>6) {
        j /= 2;
        System.out.print(j+" ");
        j /= 2;
    }
}
```

a) 50  12  b) 50 12 3  c) 100 50 25 12 6  d) 100 25 6  e) it will throw an exception

Problem 4. What is printed out by this method?

```java
public static void prob4() {
    int j=10;
    do {
        System.out.print(j);
        j = j-10;
    } while (j>20);
}
```

a) 0 b) 10  c) 10 0  d) nothing  e) it will throw an exception

Problem 5. What is printed to the screen if you call the method prob5(false)?

```java
public static int prob5(boolean maybe) {
    if (maybe)
        System.out.println("true ");
    else
        System.out.println("false");
    System.out.println("true");
    return 1;
}
```

a) true  b) false  c) true true  d) false true  e) true true 1
Problem 6. What is the output of this method?

```java
public static void prob6() {
    int i = 5, j = 4;
    while(i + j >= 1) {
        i--;
        j--;
    }
    System.out.println(j + " " + i);
}
```

a) 0 1  b) -1 0  c) 0 0  d) 0 -1  e) -1

Problem 7. What exception will be caused by this method?

```java
public static void prob7(int n) {
    String[] dude = new String[10];
    String[10] = "artichokes for everyone";
}
```

a) ArrayIndexOutOfBoundsException  b) NullPointer  c) IO  d) NumberFormat  e) none, it is perfect

Problem 8. If we call the method prob8 with a value of 7 (ie prob8(7)) then what will be printed out?

```java
public static int prob8(int i) {
    if (i >= 0)
        return i;
    System.out.println(i%3);
}
```

a) 0  b) 1  c) 2  d) 7  e) nothing

Problem 9. If str1 and str2 both hold the String “Hello” then the boolean expression (str1==str2)

a) must be true  b) must be false  c) could be true or false  d) throws an exception  e) none of these

Problem 10. Compiling the java program Hello.java (javac Hello.java) results in a file called

a) Hello  b) Hello.class  c) hello.class  d) Goodbye.class  e) none of these

Problem 11. To compile, a Java program must have an equal number of left braces { and right braces }?

a) true  b) false  c) both true and false  d) neither true nor false  e) none of these

Problem 12. What company created Java?

a) Sun Microsystems  b) Burger King  c) Sony  d) Apple  e) none of these

Problem 13. Which of the following is the quickest way to get an answer from the professor?

a) WebCT  b) email  c) ordinary mail  d) psychic powers  e) the answer is a!!!

Problem 14. Where will the lab exams be held?

a) 2215 on the macs  b) 2215 macs or laptops  c) anywhere  d) at home  e) Yemen

Problem 15. Who was your COMP 110 (or equivalent) instructor?

a) Noga  b) Trybus  c) other CSUN  d) non-CSUN  e) no COMP110

Now clearly write a “random” 2 digit number on the back of your scantron. Your goal is to pick a number no one else will pick.