

Introductory Quiz — **This will not be graded**

Instructions:

- A. Write your name on the top of this page.
- B. Use Java. If you can answer a question in do some other language, do so.
- C. If you do not have a good answer, go for humor.
- D. If you need more room, use the back of this page.

1. What is a “data structure”? (one sentence)

A way of organizing data. The simplest data structure is an array.

2. UNIX: You have created a complete and correct Java program in the file Hello.java in the directory /home/YOU/cs206. What are the unix commands you would issue to: a) get to that directory, b) compile the program; c) run the program. (If you do not know java, you may assume your favorite programming language).

```
cd /home/YOU/cs206
javac Hello.java
java Hello
```

3. Write a complete program that prints “Hello World” 1000 times.

```
public class HelloWorld {
    public static void main(String[] args) {
        for (int i=0; i<1000; i++) {
            System.out.println("Hello World");
        }
    }
}
```

4. What is overloading of methods? Given an example.

Overloading is using the same method name a return value with different sets of arguments.

```
public class Counter {
    public int timeser() {
        return 0;
    }
    public int timeser(int param) {
        return param*param;
    }
    public static void main(String[] args) {
        Counter c = new Counter();
        System.out.println(c.timeser());
        System.out.println(c.timeser(8));
    }
}
```