CS202
Section 1
Quiz No. 1: Quiz for Fun
September 11, 2015
Solutions

Q-1)

Given three integers a, b, and c. Please write an algorithm /function that outputs maximum of these three integers. Several different solutions are possible.

A-1)

```
1
2
3    int maxOfThreeIntegers(int a, int b, int c)
4    {
5        int temp;
6
7        if(a >= b && a >= c)
8            temp = a;
9        if(b >= a && b >= c)
10           temp = b;
11       if(c >= a && c >= b)
12           temp = c;
13       return temp;
14
15   }
16
17   -- more efficient solution that needs less comparison
18
19   int maxOfThreeIntegers(int a, int b, int c)
20   {
21       int temp = a;
22
23       if(b >= temp && b >= c)
24           temp = b;
25       if(c >= temp)
26           temp = c;
27       return temp;
28
29   }
```

Q-2)

Please guesstimate the textbook weight: *Data Abstraction and Problem Solving with C++: Walls and Mirrors* (6th ed., Carrano-Henry).

A-2)

Textbook weight is: 1.35 kg