

CS101: Quiz #8, April 1, 2009

SOLUTIONS

1. Consider the following declarations:

```
int value1 = 5, value2 = 10;
boolean done = true;
```

What is the value (true or false) of each of the following boolean expressions?

- (a) `value1 < value2 / 2`

Solution: false, since `value1` is 5, and `value2 / 2` is 5 also.

- (b) `(value1 < value2) || done`

Solution: true, since `(value1 < value2) || done` is `(5 < 10) || true` is `true || true` is true.

- (c) `!(value1 == value2)`

Solution: true, since `!(value1 == value2)` is `!(5 == 10)` is `!false` is true.

2. Write a method called `isAlpha` that accepts a character parameter and returns true if that character is either an uppercase or lowercase alphabetic letter.

Solution:

```
public static boolean isAlpha(char c){
    return ((c>='A') && (c<='Z')) || ((c>='a') && (c<='z'));
}
```