

LEBANESE AMERICAN UNIVERSITY

Electrical and Computer Engineering Dept

COE 212 Engineering Programming

Fall 2013

Quiz III

Problem I (Multiple Choice Questions)

1) Consider the following piece of code:

When the above code is executed, the output will be:

- a. vwy
- b. vwx
- C. vwz
- d. vww
- 2) Which of the following cannot be used as a parameter for the switch statement?
 - a. int j = 1;
 - b. boolean k = true;
 - c. byte b = (byte) 2;
 - d. char c = c';
- 3) How many times will the body of the following loop be executed?

```
int x = 10;
while(x > 0) {
         System.out.println(x);
         x--;
}
```

- a. 9 times
- b. 10 times
- c. 11 times
- d. None of the above
- 4) The "break" statement does which of the following?
 - a. Transfers control out of the current control structure such as switch
 - b. Ends the program
 - c. Denotes the ending of a switch statement
 - d. Indicates the end of line when using System.out.print

5) If x is an int where x = 0 initially, what will x be after the following loop terminates?

while(x < 100) x *= 2;

a. This is an infinite loop

b. 64

c. 128

d. none of the above

Problem II (True/False)

1. It is possible to create an infinite loop out of while and do-while loops but not out for loops.

Answer: True False

2. The statement while(a <= b) $\{a++; b--;\}$ will do the same thing as the statement while(!(b < a)) $\{b--; a++;\}$

Answer: **True** False

3. When an "if" statement has an "else" clause associated with it, the body of the "if" must be delineated with a pair of curly braces

Answer: True False

4. The contents of two strings can be compared using either equality operator (==) or the equals() method of the String class.

Answer: True False

5. The following if statement: if(name.length() = 3) can be used to check if the length of the String variable called name is 3 characters long.

Answer: True False