CSC 111 Tutorial #5 (Loop Statements)

I. What is the output of the following code snippets:

1. `for (int i = 0; i < 10; i++)
   System.out.println(2*i);`

2. `for (int i = 10; i >= 0; i--)
   System.out.println("i = "+i);`

3. `int i;
   for (i = 0; i < (i+1); i++){
      System.out.println(i);
   }`

II. Convert 1 & 2 into a while statement.

III. How many times does this print statement will be executed?
```
    int count = 0;
    while (count == 0){
        System.out.println("Hello :)");
    }
```

IV. In the following code we want to print “Hello World” 5 times. Detect 3 errors from the following code (syntax & semantic errors):
```
    int count = 1;
    do{
        count ++;
        System.out.println("Hello World");
        count ++;
    }while (count < 5)
```