

## Quiz 2

### (solutions)

1. Predict the output for each of the following statements

a) `"Tomorrow".substring(3,5)` \_\_\_\_\_ **"or"** \_\_\_\_\_

b) `"Tomorrow".substring(5)` \_\_\_\_\_ **"row"** \_\_\_\_\_

c) `"Tomorrow".substring(5,5).length()` \_\_\_\_\_ **0** \_\_\_\_\_

d) `"Tomorrow".indexOf("o")` \_\_\_\_\_ **1** \_\_\_\_\_

e) `"Tomorrow".indexOf("o",3)` \_\_\_\_\_ **3** \_\_\_\_\_

f) `'a' + 1 == 'b'` \_\_\_\_\_ **true** \_\_\_\_\_

g) `'z' - 'a'` \_\_\_\_\_ **25** \_\_\_\_\_

h) `(char)('9' - 0)` \_\_\_\_\_ **'9'** \_\_\_\_\_

i) `"Tomorrow" == "Tomorrow"` \_\_\_\_\_ **true** \_\_\_\_\_

j) `"Tomorrow" == new String("Tomorrow")` \_\_\_\_\_ **false** \_\_\_\_\_

k) `"Tomorrow".equals(new String("Tomorrow"))` \_\_\_\_\_ **true** \_\_\_\_\_

l) `"Tomorrow".split("r")[0];` \_\_\_\_\_ **"Tomo"** \_\_\_\_\_

m) `"Tomorrow".split("r")[1];` \_\_\_\_\_ **" "** \_\_\_\_\_

n) `"Tomorrow".split("r+") [1];` \_\_\_\_\_ **"ow"** \_\_\_\_\_

2. Write a method that returns a string with all whitespaces removed from its *right* end. This should work even with strings with no characters, no whitespace, or no non-whitespace.

```
public static String trimRight(String str)
{
    int k = str.length();
    while(k>0 && str.charAt(--k) == ' ');
    if(k==0) return "";
    else return str.substring(0,k+1);
}
```