



COE 312  
Data Structures

Fall 2013  
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Quiz II

Problem I (Multiple choice questions)

- 1) Which of the following can serve as a container for menus
  - a. Menu
  - b. Menu Bar
  - c. **All of the above**
  - d. None of the above
- 2) How many times will the following method print the statement "Print this line." out, if a value of 10 is passed as the parameter?

```
public void message(int n) {  
    if(n > 0) {  
        System.out.println("Print this line.");  
        message(n - 1);  
    }  
}
```

  - a. 9
  - b. **10**
  - c. 8
  - d. An infinite number of times
- 3) Consider the following recursive method

```
public int foo(int x, int y) {  
    if(x == y) return 0;  
    else return foo(x-1, y)+1;  
}
```

If the method is called as `foo(8, 3)`, what is returned?
  - a. 11
  - b. 8
  - c. **5**
  - d. 3
- 4) Menus are attached to windows by calling method
  - a. `addMenuBar`
  - b. `setMenuBar`
  - c. **`setJMenuBar`**
  - d. `setMenu`
- 5) Which of the following is not a `MouseListener` method?
  - a. `mousePressed`
  - b. `mouseExited`
  - c. `mouseClicked`
  - d. **None of the above**

## Problem II (True or False)

1. Check boxes operate as a group, providing a set of mutually exclusive options.

Answer: True **False**

2. When a keyboard key is pressed, a `KeyHit` event is generated.

Answer: True **False**

3. The `MouseMotionListener` interface includes the `mouseExited`, `mouseEntered`, `mouseMoved`, and `mouseDragged` methods.

Answer: True **False**

4. Methods of the `KeyListener` interface are used to handle key events.

Answer: True **False**

5. The `BigInteger` class is part of the `java.Math` package.

Answer: True **False**