Quiz 3 CS3120

1. Write a mutable class called Length. Give it a single member variable: int len. Implement standard set() and get() methods that provide access to len. Package the class according to the following path: mypackage/java/scalar. Be sure the class and its methods are accessible outside the package, but that len is only accessible within the class.

```
package mypackage.java.scalar;
public class Length {
    private int len;

    public int get() {
        return len;
    }

    public void set(int x) {
        len = x;
    }
}
```

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2. Rewrite the set() method from above so that the class is immutable. (Don't write anything else but the new set() method).

```
public Length set(int x) {
    Length 1 = new Length();
    1.len = x;
    return 1;
}
```

3. Consider the following class:

Given that you are in the parent directory of <code>java/</code>, make a call to <code>Foo</code>'s <code>main()</code> method giving whatever command line arguments you like. Then write the output produced by that call.

```
[user@notnotbc]$ java java.foo.Foo any args you like
Foo barbarbar
[user@notnotbc]$
```