IN-LECTURE QUESTIONS FOR VIDEO 8.4

Note: See the answer key at the bottom of this file.

1. Which one of the following best describes refactoring code?
   a. Extracting prime factors from all constants
   b. Creating factory methods
   c. Changing or improving the structure of code without changing its desired behavior
   d. Moving facts and constants into text files

2. Check all that apply. Which of the following statements are true?
   a. Eclipse can refactor a sequence of lines into a single method
   b. One use of refactoring code is to make methods shorter and more readable
   c. Nested classes can be static

3. Which of the following methods, b1 or b2, can use the activity object as shown below?

```
class MyActivity {
  /* Im a nested static class */
  public static class View1 {
     public void b1() {Context c = MyActivity.this;}
  }
  /*I'm an inner (non-static) class */
  public class View2 {
     public void b2() {Context c = MyActivity.this;}
  }
}
```

   a. Only b1 is valid
   b. Only b2 is valid
   c. Both b1 and b2 are valid
   d. Neither b1 nor b2 are valid

4. Check all that apply. Which of the following are true?
   a. Nested classes can be marked as 'static' but a top-most (regular) classes cannot
   b. Classes in the same package can be used without writing an import statement
   c. Nested static classes can be refactored and moved into their own Java file
   d. this.f() can usually be shortened to just f()

5. The following code in the class "MyView" is an example of _____?

```
public class MyView extends View{
public MyView(Context c) {super(c);}
public MyView(Context c, AttributeSet as) {super(c,as);}
public MyView(Context c, AttributeSet as, int defStyle)
{super(c,as,defStyle);}
}
```

   a. 3 methods used by Android
   b. 3 fields defined by Android
   c. 3 constructors required by Android
   d. 3 inner classes defined by Android

6. Write the missing code to include the custom view 'awesome.app.MyView' in the layout xml.
```
<__________  android:layout_width="fill_parent"
android:layout_height="fill_parent" />
```

7. To automatically create constructors for a class that extends Android view class:
   a. Use Eclipse's source menu and select "Generate Constructors from Superclass"
   b. Use the refactor > add constructors... menu item
   c. This is not possible with Eclipse.

8. How many constructors does the Android view define?
   a. 1
   b. 2
   c. 3
   d. 4
   e. 5

ANSWER KEY:

1. c
2. a, b, c
3. b
4. a, b, c, d
5. c
6. awesome.app.MyView
7. a
8. c