CS 251
Intermediate Programming
Quiz 6

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Question 1: What's wrong with this code?

```
public static long foo(int n) {
  boolean do = false;
  return do ? n*2 : 0;
}
```

A Cannot use a keyword as a variable name.

B Invalid operator on return line.

C Return value does not match method return type.

D Did not initialize value of n.

E Some other error.

F This code will successfully compile.

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Question 2: What's wrong with this code?

```
public class MyClass {
    private int x = 10;

    public static void main(String[] args) {
        x++;
        System.out.println(x);
    }
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A The println method expects String, not int.
B Can't access private variable x from a public method.
C Can't access x without an instance of MyClass.
D Variable x is a constant, so can't be incremented in main.
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Question 3: What's wrong with this code?

```
public static void bar(int n) {
  if(5 > n) {
    System.out.println("Small");
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    throw new Exception("Big!");
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Question 4: Keywords

What is the keyword used to
make a class that cannot be extended?

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- class
- default
- final
- private
- protected
- public
- static
- super
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Question 5: True or False?

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- False
- If you don't create a constructor yourself, the class will have a do-nothing no-argument constructor, but if you define any constructor at all, you will no longer have this constructor provided for you
- If you want to still have a no-argument constructor, you will have to explicitly define one.

Question 6: True or False?

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- False
- An abstract class may (but does not have to) contain method implementations.
- You may want to partially implement a class in an abstract parent class and then finish the implementation in a concrete child class.

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- False
- Short circuit evaluation of logical operators means that if the value of the entire expression can be determined from the value of left hand expression, the right hand expression will not be evaluated at all.