

Question(s) for rec03 - Classes, encapsulation, data hiding, output operator and nesting.

3. Consider the following code. What would be the result when attempting to build-and-run the program? Completely fill the circle next to your choice.

```
class Thing {  
    friend ostream& operator<<(ostream& os, const Thing& rhs) {  
        os << "I am a Thing and " << rhs.nest;           // Line 1  
        return os;  
    }  
  
    class Nested {  
        friend ostream& operator<<(ostream& os, const Nested& rhs) {  
            os << "I am Nested!";  
            return os;  
        }  
    };  
  
    Nested nest;  
  
};  
  
int main() {  
    Thing aThing;                      // Line 2  
    cout << aThing << endl;           // Line 3  
  
    Thing::Nested aNestling;           // Line 4  
    cout << aNestling << endl;         // Line 5  
}
```

- I am a Thing and I am Nested!
- I am Nested!
- I am a Thing and I am Nested!
I am Nested!
- Compilation error at line 1
- Compilation error at line 2
- Compilation error at line 3
- Compilation error at line 4
- Compilation error at line 5
- Compiles but crashes
- None of the above