## SAT: Test doubles and Mocks

ks, stubs, and fakes.	What are they, and	how do they	differ from eacl	n other?
t are advantages and	d disadvantages of	mocking?		
0	<u> </u>	e book, what t	types of classes	should you mock
nal, boolean conditiend so on). The syst	ons relating to the em has been design	weather (outs ned cleanly ar	side temperatur nd consists of a	re, amount of rain set of cooperating
	are testing a systemal, boolean conditing to the guidelicted should you not restand, boolean conditiond so on). The systemach of which has a	are testing a system that triggers adnal, boolean conditions relating to the nd so on). The system has been designed of which has a single responsibilities.	t are advantages and disadvantages of mocking?  ording to the guidelines provided in the book, what the should you not mock?  are testing a system that triggers advanced events nal, boolean conditions relating to the weather (outs not so on). The system has been designed cleanly are each of which has a single responsibility. Explain how	ording to the guidelines provided in the book, what types of classes ich should you not mock?  are testing a system that triggers advanced events based on comnal, boolean conditions relating to the weather (outside temperatured so on). The system has been designed cleanly and consists of a each of which has a single responsibility. Explain how would you us

5. Suppose your aim is to test applyDiscount in the following class:

```
public class ChristmasDiscount {
2
       public double applyDiscount(double rawAmount) {
3
           LocalDate today = LocalDate.now();
4
5
           double discountPercentage = 0;
6
           boolean isChristmas = today.getMonth()== Month.DECEMBER
                   && today.getDayOfMonth()==25;
8
9
           if(isChristmas)
               discountPercentage = 0.15;
11
12
           return rawAmount - (rawAmount * discountPercentage);
13
       }
14
15
   }
```

Note that LocalDate.now() is a static method of Java's Time API. How would you handle the dependency on this method in your testing?