·	Date:
Software Engineering Specialization	
Exercises: Design Patterns	
Exercise 1: Which	of the following are disadvantages of using inheritance to provide Duck
behav	riour (Choose all the apply.)?
	A. Code is duplicated across subclasses.
	B. Runtime behaviour changes are difficult.
	C. We can't make ducks dance.
	D. Hard to gain knowledge of all duck behaviours.
	E. Ducks can't fly and quack at the same time.
	F. Changes can unintentionally affect other ducks.
Exercise 2: How does the observer pattern use the following principles?	
Design Principle:	Identify the aspects of your application that vary and separate them from what stays the same.

<u>Design Principle</u>: Program to an interface, not an implementation.

<u>Design Principle</u>: Favour composition over inheritance.