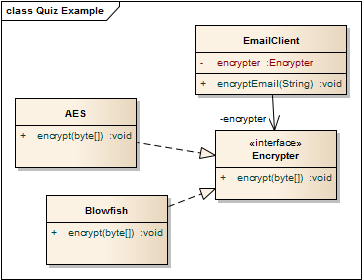
SE2811 Quiz 3 Name:

1. (2 pt.) List one or two problems that a Factory helps solve:
2. (2 pt.) Give an example of how code reuse increases maintainability:

1. (1 pt.) If a Duck class separates its swimming behavior and its display code into distinct behavior classes, it is illustrating
   1. Low Cohesion
   2. High Cohesion
   3. Low Coupling
   4. High Coupling
2. (1 pt.) If the Mallard and Redhead duck classes both implement similar quacking algorithms they are illustrating
   1. Low Cohesion
   2. High Cohesion
   3. Low Coupling
   4. High Coupling
3. (2 pt.) The class diagram below is an example of the \_\_\_\_\_\_\_\_\_\_\_ pattern



1. (2 pt.) **Select all that apply**. An instance variable in a class A declared as protected int x; can be accessed from
2. A class derived from A in the same package
3. A class not derived from A in the same package
4. A class derived from A in a different package
5. A class not derived from A in a different package