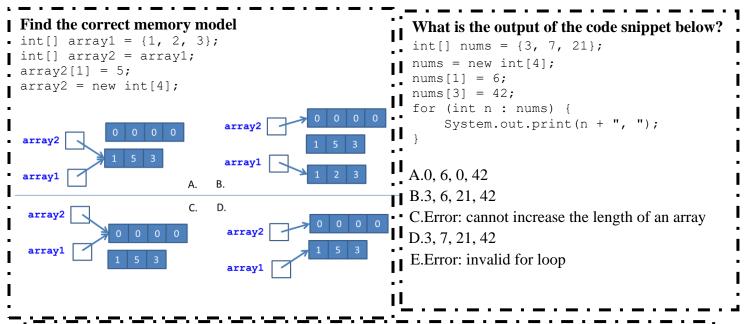
Java Review



```
1. Suppose A is an interface.
Can you create an instance using new A();
                                                                  A. Yes
                                                                            B. No
Can you declare a reference var x as: A x;
                                                                  A. Yes
                                                                            B. No
2. Suppose A is an abstract class.
Can you create an instance using new A();
                                                                  A. Yes
                                                                            B. No
Can you declare a reference var x as: A x;
                                                                  A. Yes
                                                                            B. No
3. It is possible that an interface has a concrete method.
                                                                            B. False
                                                                  A. True
4. An abstract class may not have an abstract method.
                                                                  A. True
                                                                            B. False
5. An abstract class may implement multiple interfaces.
                                                                  A. True
                                                                            B. False
6. An interface can extend from an abstract class.
                                                                  A. True
                                                                             B. False
7. An abstract class cannot be a child of another class, whether the parent is abstract or not.
                                                           A. True
                                                                     B. False
    We can have multiple layers of inheritance on interfaces. A. True B. False
```

```
public class Student{
  public String name;
  public double grade;
  public Student (String name, double grade) {
    this.name = name;
    this.grade = grade;
}

//Want to write a compare method to compare
  //two students based on their grade. It returns
  //name of the student with the higher grade
}

Should this compare method be static or non-static?

A: It should be non-static

B: It should be non-static

C: It depends on how you design this method

D: I really have no idea.
```

CSE 12 – Day 1 (Java review)