1. Which of the following expressions can be used to test whether two objects o1 and o2 are aliases to each other?
   1. o1==o2
   2. o1.equals(o2)
   3. o2.equals(o1)
   4. o1.compareTo(o2) ==0;
2. Given the declarations

String s1 =”Scooby”;

String s2 =”Scooby”;

Multiple answers are possible.

Which of the following statements are true ?

* 1. S1 and s2 are aliases to each other.
  2. s1==s2 are true
  3. s1.equals(s2) is true
  4. s1 and s2 are the same because they have same number of characters.

Integer integer1 = **new** Integer(3);  
Integer integer2 = **new** Integer(3);  
  
a) System.***out***.println(integer1==integer2);

What is the output of the above code ?

b) System.***out***.println(integer1.equals(integer2));

What is the output of above code ?

**public class** AliasTest {  
  
 **private int number**;  
  
 **public** AliasTest(**int** number) {  
 **this**.**number** = number;  
 }  
  
 **public static void** main(String[] args) {  
  
 AliasTest aliasTest1 = **new** AliasTest(1);  
 AliasTest aliasTest2 = **new** AliasTest(1);

**}**

1. What is the output of the below code ?

System.***out***.println(aliasTest1 == aliasTest2);

String word1 =**"blue"**;  
String word2 =**"red"**;  
String word3 =**"green"**;  
  
word2=word3;  
word1=word3;  
word3=word1;

What is the output of the following code ?

System.***out***.println(word1 + **" "** + word2 + **" "** + word3);

1. green green green
2. blue red green
3. blue blue blue
4. red red red
5. red green red