Selection Test 1

1. Which of the following can replace /\* condition \*/ so that the **int** variables num1 and num2 can be compared to see if they both contain the same value.

if ( /\* condition \*/ )  
 System.out.println("They are equal");

1. num1 = num2
2. num1 == num2
3. num1.equals(num2)
4. num1 != num2
5. Which of the following can replace /\* condition \*/ so that the **String** variables str1 and str2 can be compared to see if they are equal (equal means they contain the same letters in the same order).  
     
    if ( /\* condition \*/ )  
    System.out.println("They are equal");
6. str1 == str2
7. str1 = str2
8. str1.equals(str2)
9. str1 != str2
10. Which of the following can replace /\* expression \*/ so that **only** the phrase "happy” will be displayed.

int a = 5;  
 int b = 10;  
  
 if(a > b)  
 System.out.println("sad");  
  
 /\* expression \*/   
 System.out.println("happy");

1. if ( a < b )
2. else
3. if (a == b)
4. both A and B
5. Which of the following can replace /\* condition \*/ so that the string "computer" is displayed?

String str1 = "cow";  
String str2 = "horse";  
if ( /\* condition \*/ )  
 System.out.println("computer");

1. str1.equals(str2)
2. ! str1.equals(str2)
3. str1 == str2
4. str1 <> str2
5. What is output by the following code segment?

int num1 = 5;  
int num2 = 7;  
if ( num1 < num2 )  
{  
 if ( num1 + num2 < 10 )  
 System.out.print("one");  
 else  
 System.out.print("two");  
}  
System.out.println("three");

1. one
2. two
3. onethree
4. twothree
5. What is output by the following code segment?

int num1 = 5;  
int num2 = 7;  
if ( num1 <= 5 && num2 > 7 )  
{  
 if ( num1 == 7 || num2 == 7 )  
 System.out.print("one");  
 else  
 System.out.print("two");  
}  
else  
 System.out.println("three");

1. one
2. two
3. onethree
4. three
5. What is output by the following code segment?

int num = 86;

if ( num >= 90 && num <= 100 )  
 System.out.println("one");  
else if ( num >= 80 && num < 90)  
 System.out.println("two");  
else if ( num >= 70 && num < 80 )  
 System.out.println("three");  
else  
 System.out.println("four");

1. one
2. two
3. three
4. four
5. What is output by the following code segment?

int a = 3;

int b = -2;

if ((a > 0) && (b > 0))  
{  
 if (a > b)  
 System.out.println("A");  
 else  
 System.out.println("B");

}  
else if ((b < 0) || (a < 0))  
 System.out.println("C");  
else  
 System.out.println("D");

1. A
2. B
3. C
4. D