Nested Loops Test 1

1. Look at the following code segment.

for (int r = 0; /\* condition1 \*/; r++)  
 {  
 for (int c = 0; /\* condition2 \*/; c++)  
 {  
 System.out.print("\*");  
 }  
 System.out.println();  
 }  
  
Which of the following replaces /\* condition1 \*/ and /\* condition2 \*/ so that the following pattern is displayed?

\*\*\*\*\*  
 \*\*\*\*\*  
 \*\*\*\*\*

/\* condition1 \*/ /\* condition2 \*/

1. r < 3 c < 5
2. r <= 3 c <= 5
3. r < 5 c < 3
4. r <= 5 c <= 5
5. What is output by the following code segment?

int count = 0;  
 for (int r = 0; r < 2; r++)  
 {  
 for (int c = 0; c < 2; c++)  
 {  
 count++;  
 }  
 }  
 System.out.println(count);

1. 0
2. 2
3. 4
4. 8
5. What is output by the following code segment?  
      
    for (int r = 1; r <= 2; r++)  
    {  
    for (int c = 1; c <= 3; c++)  
    {  
    System.out.print(r + " ");  
    }   
    System.out.println();  
    }
6. 1 1 1 B) 1 1  
   2 2 2 2 2  
    3 3
7. 1 2 3 D) 3 3  
   1 2 3 3 3  
    3 3
8. What is output by the following code segment?  
     
    for (int r = 1; r <= 2; r++)  
    {  
    for (int c = 1; c <= 3; c++)  
    {  
    System.out.print(c + " ");  
    }   
    System.out.println();  
    }
9. 1 1 1 B) 1 1  
   2 2 2 2 2  
    3 3
10. 1 2 3 D) 3 3  
    1 2 3 3 3  
     3 3