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 */
A) r < 3	c < 5
B) r <= 3	c <= 5
C) r < 5	c < 3
D) r <= 5	c <= 5

2. 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);
```

A) 0
B) 2
C) 4
D) 8

3. 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();
}
```

A) 1 1 1
   2 2 2

B) 1 1
   2 2
   3 3

C) 1 2 3
   1 2 3

D) 3 3
   3 3
   3 3

4. 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();
}
```

A) 1 1 1
   2 2 2

B) 1 1
   2 2
   3 3

C) 1 2 3
   1 2 3

D) 3 3
   3 3
   3 3