What is the output of the following code segment?

j = 5;

while(j > 0)

{

 Write("{0} ", j);

 j--;

}

a. 0

b. 5

c. 5 4 3 2 1

d. 5 4 3 2 1 0

Step 1: Answer

Answer: option c 5 4 3 2 1

Step 2: Explanation

When a condition is not satisfied, a "While" loop is used to repeat a certain code fragment an undetermined number of times.

While loop in this place checks whether the number is larger than zero, but the number was set to 5 at the beginning.

while loop check the number greater than 5 or not if not j decrease by on that is j--

so, 5 will print

Again while loop check the condition, it does not satify the condition so it will print 4

Again while loop check the condition it does not satify the condition so it will print 3

Again while loop check the condition it does not satify the condition so it will print 2

Again while loop check the condition it does not satify the condition so it will print 1