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Suh ⎋
@SuellenMiranda

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Beer Song ✓
🟢 Completed   🟡 Medium

⊞ Overview   ⟳ Your iterations 1   Community Solutions   Code Review   Open in editor ⌄

Iteration 1 Latest   ● Passed   🕐
Submitted via Editor, 4 hours ago

zcl_beer_song.clas.abap   Analysis   Tests   •••

```abap
 1   CLASS zcl_beer_song DEFINITION
 2     PUBLIC
 3     FINAL
 4     CREATE PUBLIC.
 5     PUBLIC SECTION.
 6       METHODS recite
 7         IMPORTING
 8           !initial_bottles_count TYPE i
 9           !take_down_count       TYPE i
10         RETURNING
11           VALUE(result)          TYPE string_table.
12     PROTECTED SECTION.
13     PRIVATE SECTION.
14   ENDCLASS.
15
16   CLASS zcl_beer_song IMPLEMENTATION.
17     METHOD recite.
18       DATA: verse_num  TYPE i,
19             next_num   TYPE i,
20             line1      TYPE string,
21             line2      TYPE string,
22             lv_current TYPE string,
23             lv_next    TYPE string.
24
25       CLEAR result.
26
27       DO take_down_count TIMES.
28         verse_num = initial_bottles_count - sy-index + 1.
29         IF verse_num < 0.
30           verse_num = 0.
31         ENDIF.
32
33         CLEAR lv_current.
34         WRITE verse_num TO lv_current.
35
36         IF verse_num > 1.
37           " Monta a primeira linha preservando o espaço após a vírgula:
38           CONCATENATE lv_current
39             ' bottles of beer on the wall,'
40             ' '
41             lv_current
42             ' bottles of beer.'
43             INTO line1
44             RESPECTING BLANKS.
45         ELSEIF verse_num = 1.
46           line1 = '1 bottle of beer on the wall, 1 bottle of beer.'.
47         ELSE.
48           line1 = 'No more bottles of beer on the wall, no more bottles of beer.'.
49         ENDIF.
50         APPEND line1 TO result.
51
52         next_num = verse_num - 1.
53         IF next_num < 0.
54           next_num = 0.
55         ENDIF.
56
57         IF verse_num > 1.
58           IF next_num = 1.
59             line2 = 'Take one down and pass it around, 1 bottle of beer on the wall.'.
60           ELSEIF next_num = 0.
61             line2 = 'Take one down and pass it around, no more bottles of beer on the wall.'.
62           ELSE.
63             CLEAR lv_next.
64             WRITE next_num TO lv_next.
65             " Monta a segunda linha preservando o espaço após a vírgula:
66             CONCATENATE 'Take one down and pass it around, '
67               lv_next
68               ' bottles of beer on the wall.'
69               INTO line2
70               RESPECTING BLANKS.
71           ENDIF.
72         ELSEIF verse_num = 1.
73           line2 = 'Take it down and pass it around, no more bottles of beer on the wall.'.
74         ELSE.
75           line2 = 'Go to the store and buy some more, 99 bottles of beer on the wall.'.
76         ENDIF.
77         APPEND line2 TO result.
78
79         IF sy-index < take_down_count.
80           APPEND '' TO result.
81         ENDIF.
82       ENDDO.
83     ENDMETHOD.
84   ENDCLASS.
85
```

⚑ ALL TESTS PASSED

✓ 8 tests passed ⌄

● PASSED   Test 1
FIRST_GENERIC_VERSE   ›

● PASSED   Test 2
LAST_GENERIC_VERSE   ›

● PASSED   Test 3
VERSE_WITH_2_BOTTLES   ›

● PASSED   Test 4
VERSE_WITH_1_BOTTLE   ›

● PASSED   Test 5
VERSE_WITH_0_BOTTLES   ›

● PASSED   Test 6
FIRST_TWO_VERSES   ›

● PASSED   Test 7
LAST_THREE_VERSES   ›

● PASSED   Test 8
ALL_VERSES   ›