

CSC148 Worksheet 15 Solution

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Question 1

a. According to docstring, *flatten*(*[[0, -1], -2, [[-3, [-5], -7]]]*) should return

$[0, -1, -2, -3, -5, -7]$

b.

sublist	flatten(sublist)	Value of s at the end of the iteration
N/A	N/A	\square (initial value of a)
$[0, -1]$	$[0, -1]$	
2	2	
$[-3, [-5], -7]$	$[-3, -5, -7]$	

Correct Solution:

sublist	flatten(sublist)	Value of s at the end of the iteration
N/A	N/A	\square (initial value of a)
$[0, -1]$	$[0, -1]$	
2	2	
$[-3, [-5], -7]$	$[-3, -5, -7]$	

c.

sublist	flatten(sublist)	Value of s at the end of the iteration
N/A	N/A	\square (initial value of a)
$[0, -1]$	$[0, -1]$	$[0, -1]$
2	2	$[0, -1, 2]$
$[-3, [-5], -7]$	$[-3, -5, -7]$	$[0, -1, 2, -3, -5, -7]$

Question 2

Question 3