A common error with for-loops

(We saw this earlier when learning the memony model.)

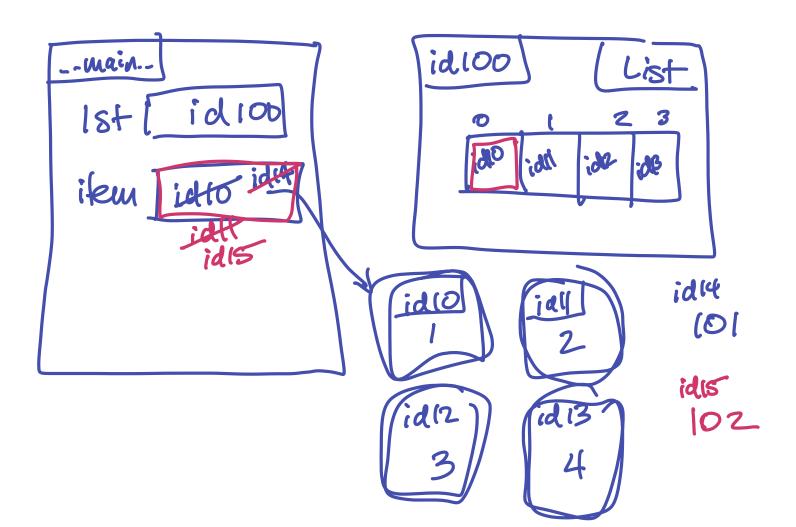
This hoop does not change lst:

1st = [1, 2, 3, 4]

for item in list:

item += 1

Below is what happens in memory. We never change the List object.



item = $1st \ Lo3$ item +=100item +=100item +=100

This is what the for-loop above does.

We set item to each element of 1st in turn, and for each one, we do the loop body.

Net effect? No change to the list object.