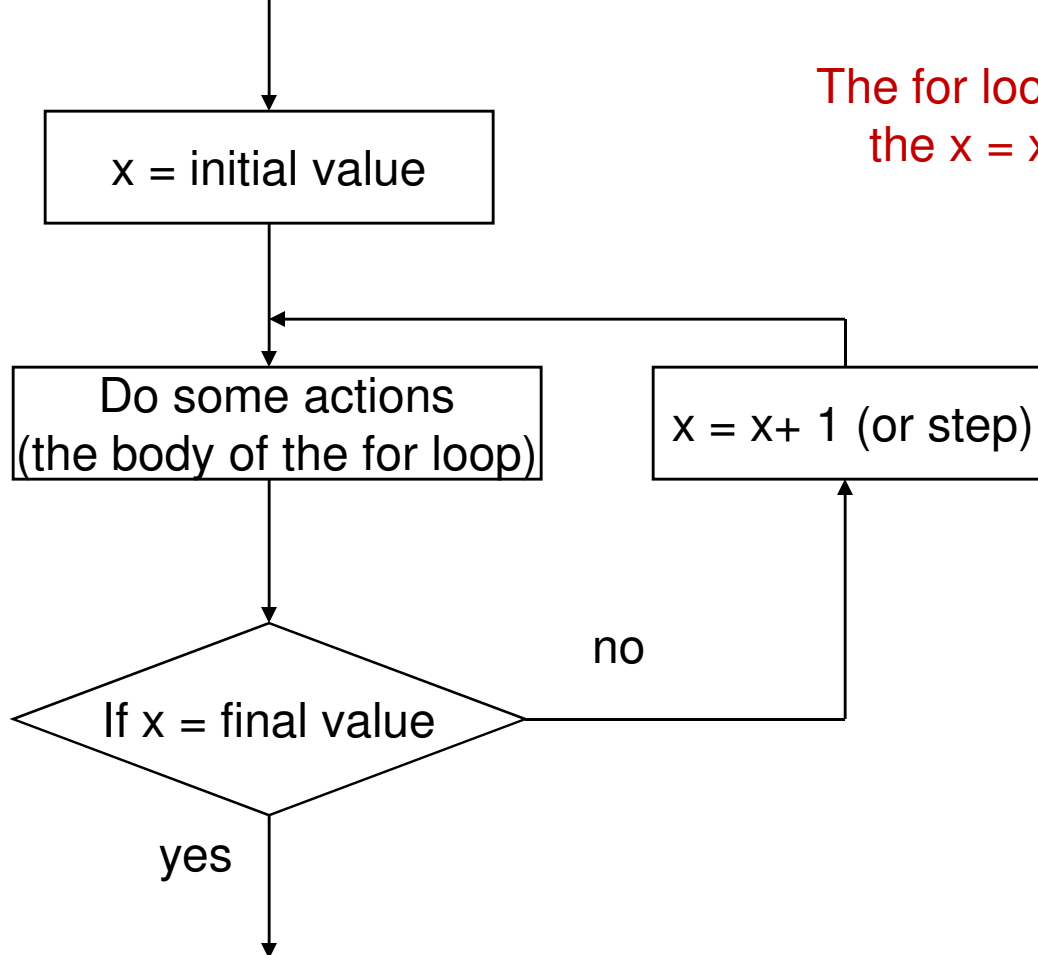


FOR loop diagram
with an index variable named "x":

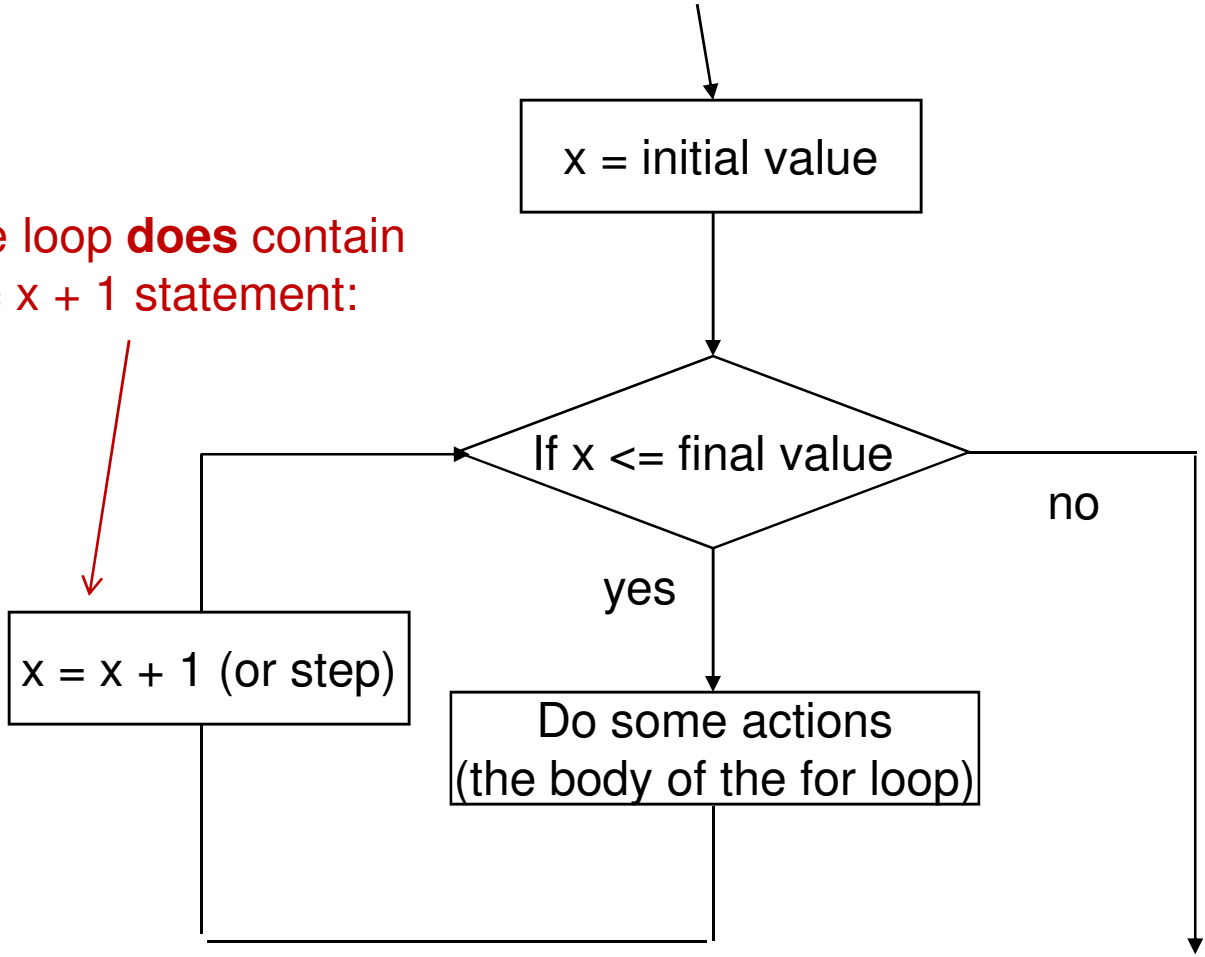


The for loop does **not** contain
the `x = x + 1` statement:



WHILE loop diagram
with an index variable named x:

The while loop **does** contain
the $x = x + 1$ statement:



WHILE loop diagram
without an index variable:

