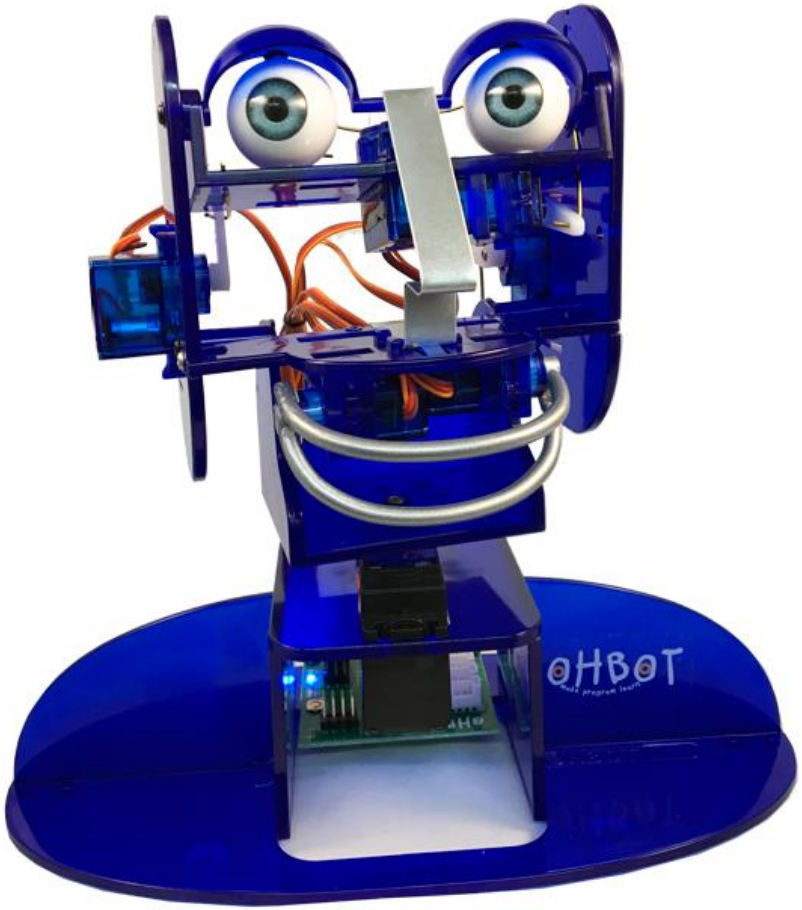
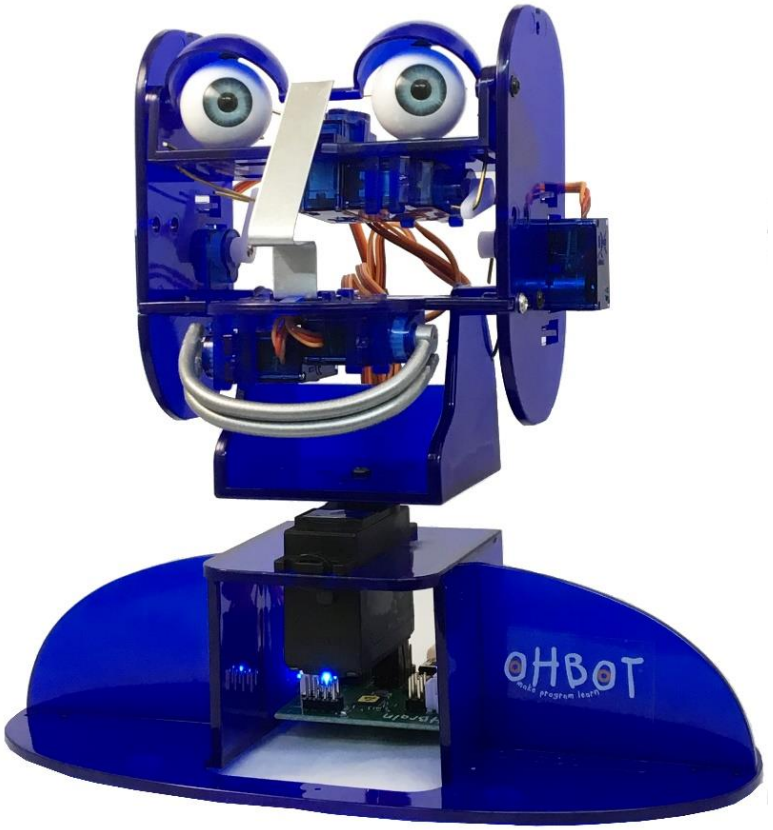
Lesson 5: Two Variables

I can use more than one variable in the same program

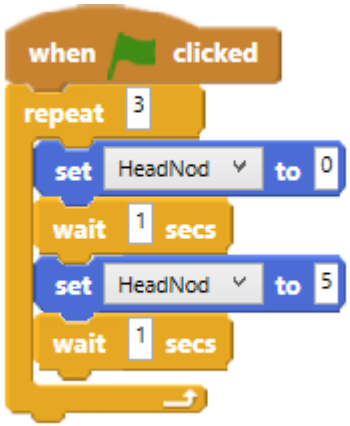


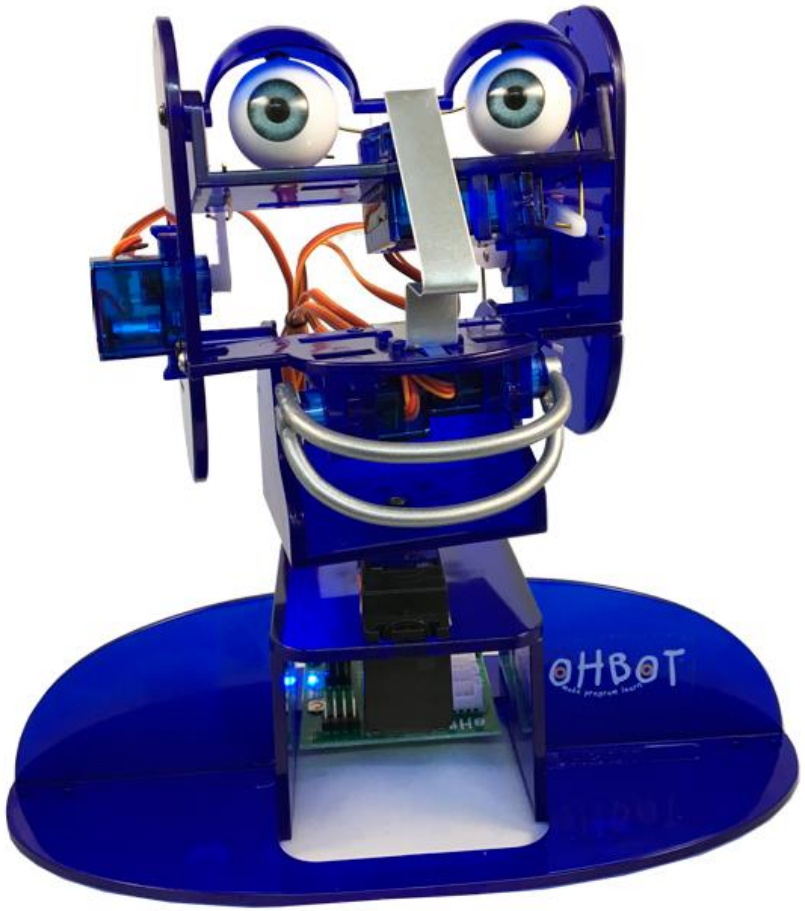
Activity 1

Can you write a program that uses repeat to make Ohbot nod its head a number of times?



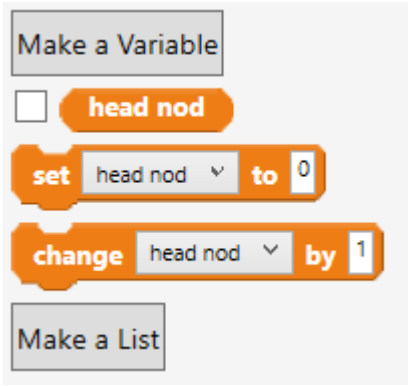
Example head nod

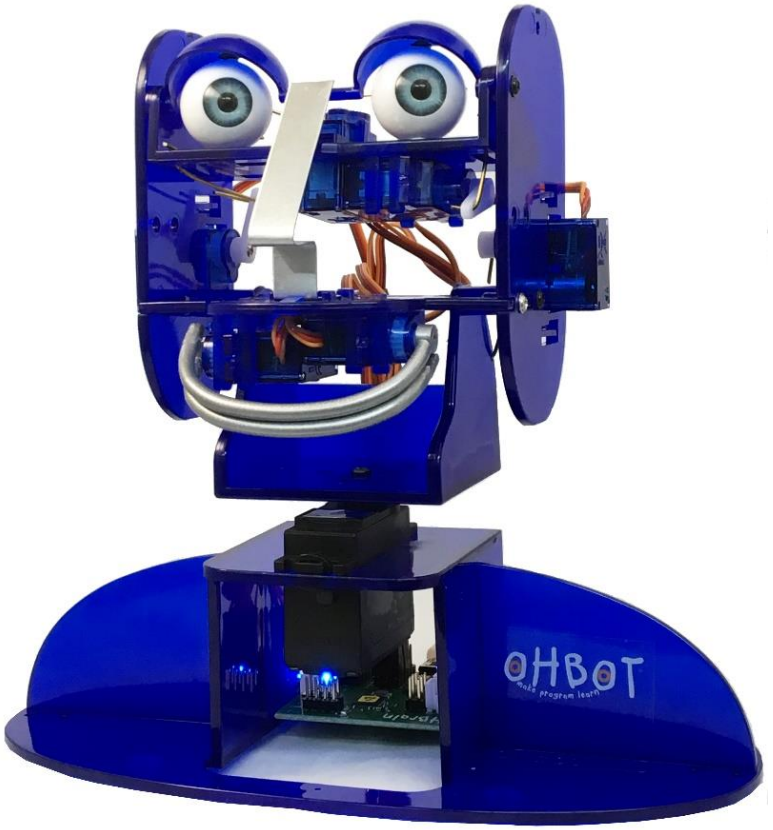




Activity 2

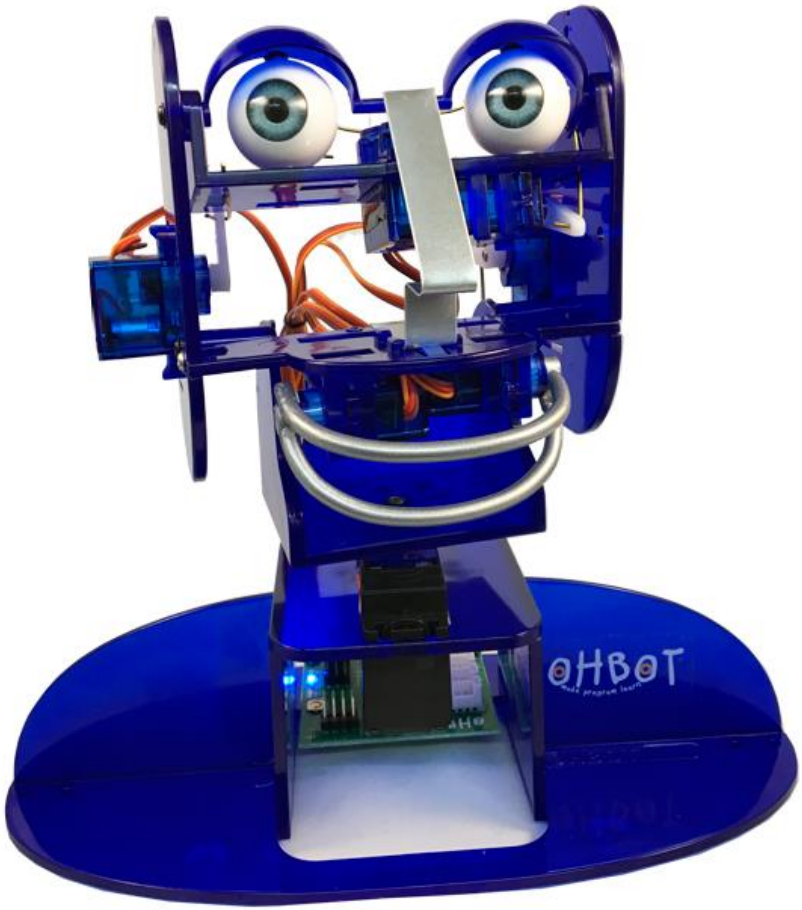
Can you write a program to make Ohbot count the number of times it nods?





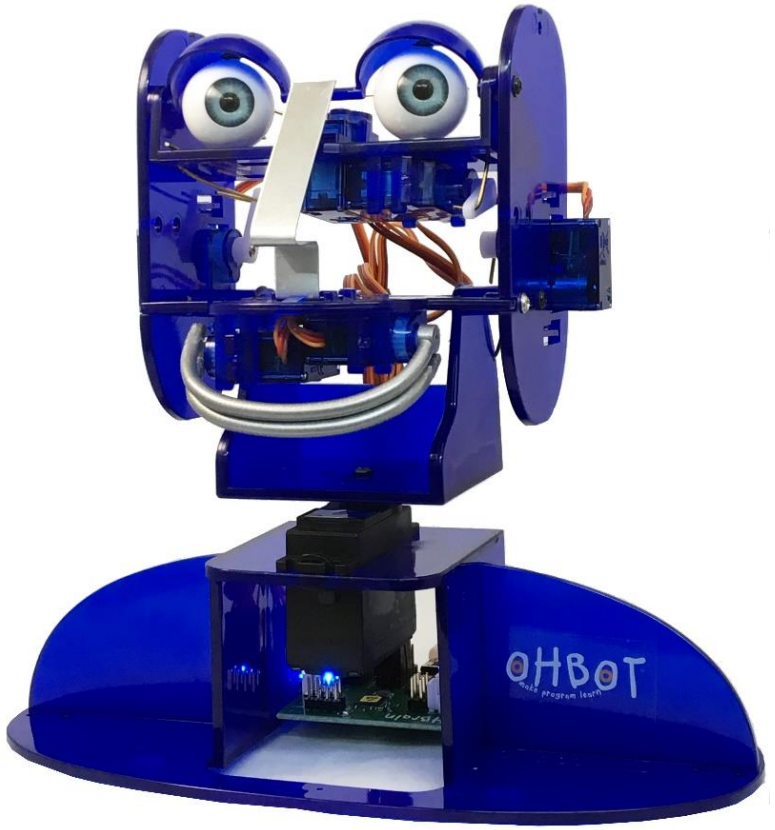
Example

when clicked
set head nod to 0
repeat 10
set HeadNod to 0
wait 1 secs
set HeadNod to 5
change head nod by 1
wait 1 secs

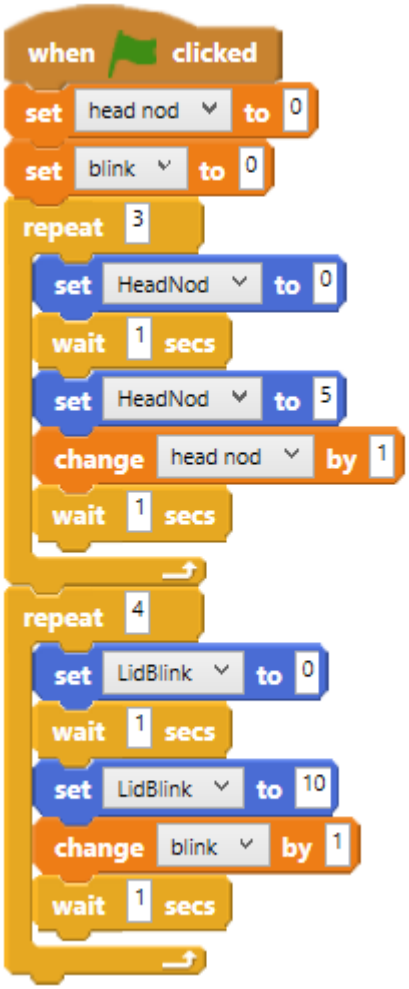

OHBOT

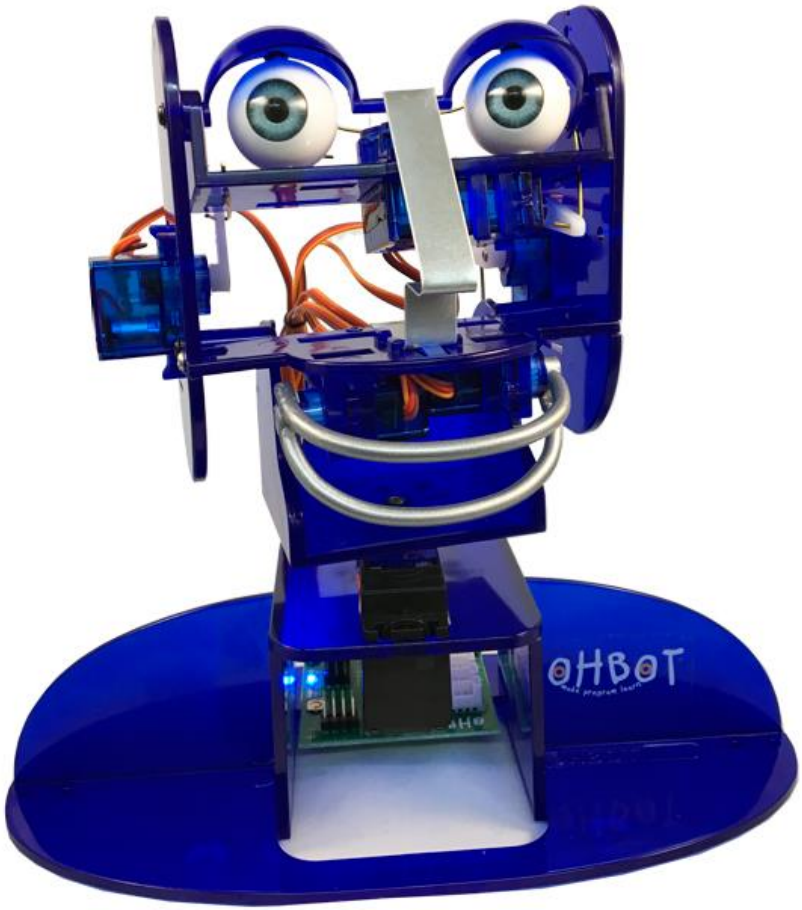
Activity 3

Can you extend your program to make Ohbot blink a number of times, and count the blinks after it has nodded?



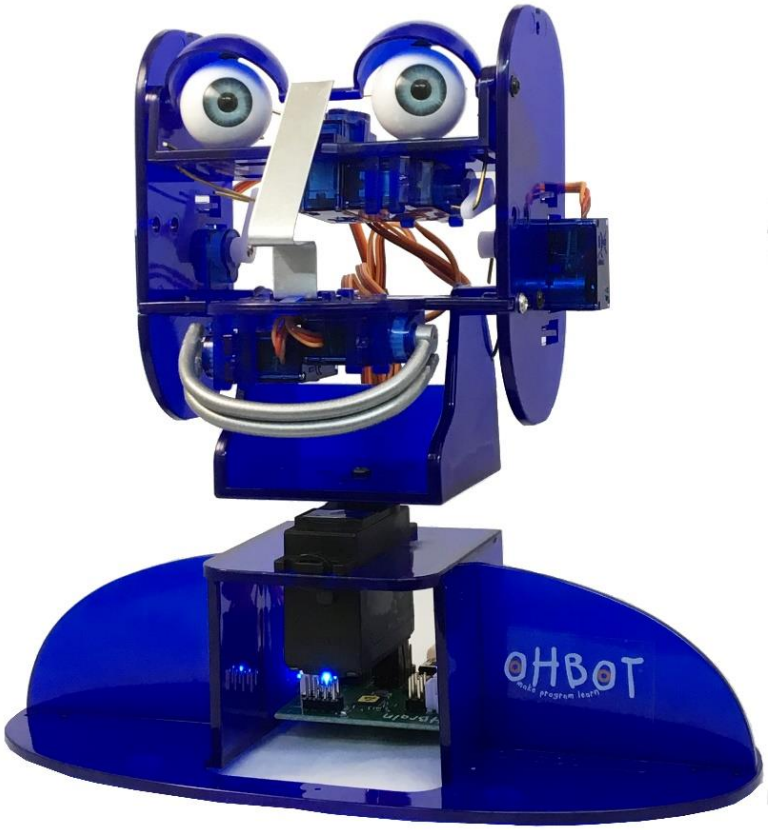
Example


when clicked
set head nod to 0
set blink to 0
repeat 3
set HeadNod to 0
wait 1 secs
set HeadNod to 5
change head nod by 1
wait 1 secs
repeat 4
set LidBlink to 0
wait 1 secs
set LidBlink to 10
change blink by 1
wait 1 secs

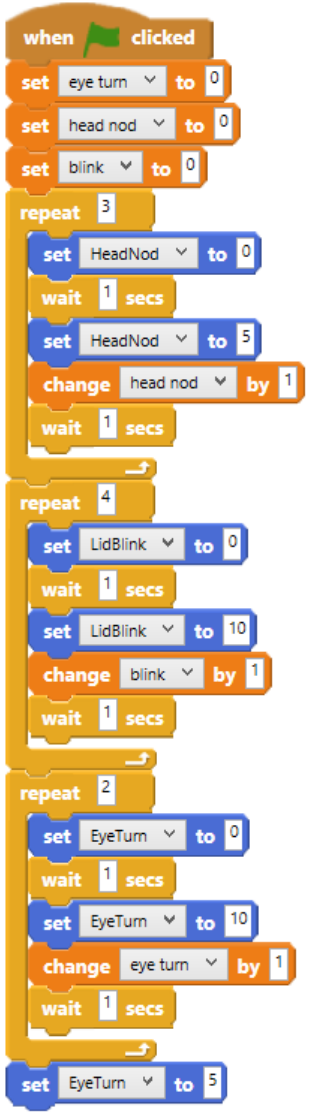

OHBOT

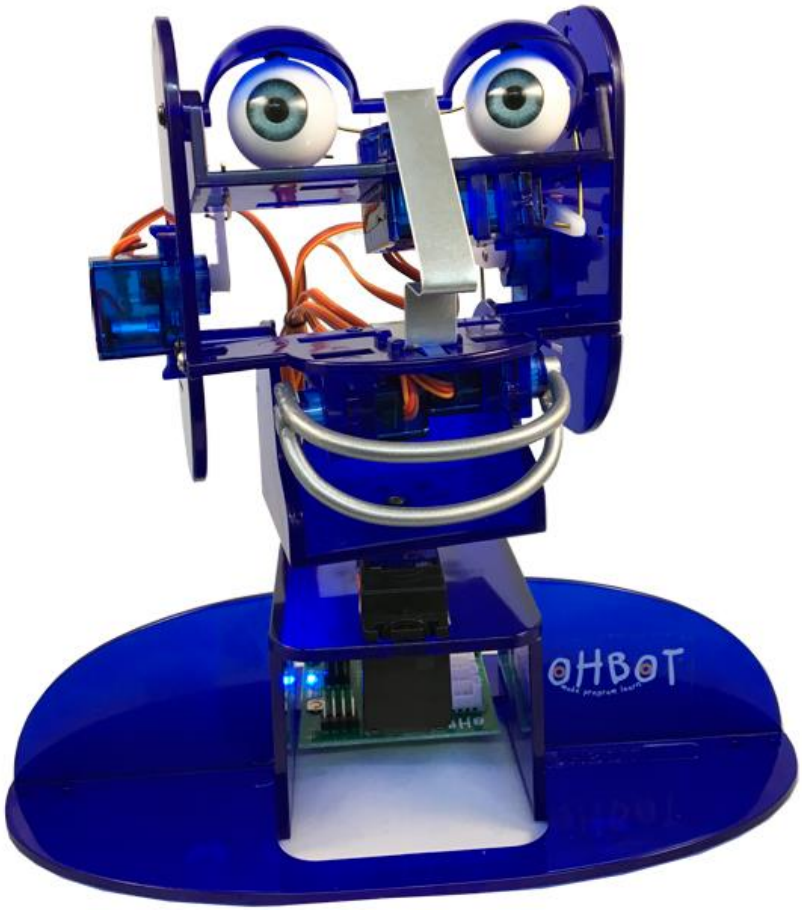
Extension

Can you extend your program to make Ohbot carry out a sequence of three movements and count the number of each?



Example


when clicked
set eye turn to 0
set head nod to 0
set blink to 0
repeat 3
set HeadNod to 0
wait 1 secs
set HeadNod to 5
change head nod by 1
wait 1 secs
repeat 4
set LidBlink to 0
wait 1 secs
set LidBlink to 10
change blink by 1
wait 1 secs
repeat 2
set EyeTurn to 0
wait 1 secs
set EyeTurn to 10
change eye turn by 1
wait 1 secs
set EyeTurn to 5


OHBOT