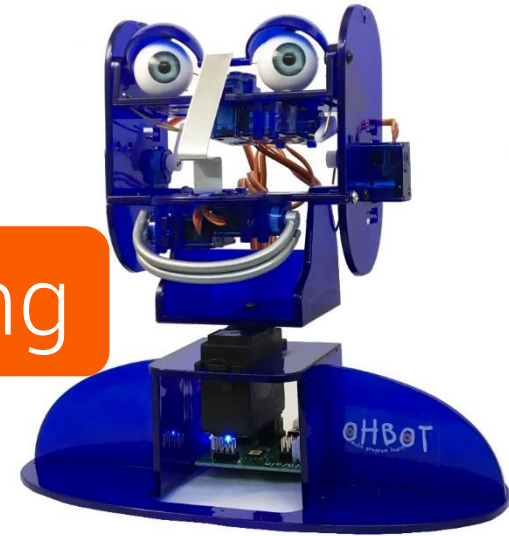
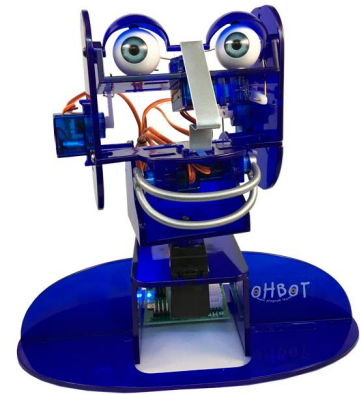


Lesson 4 - Multitasking



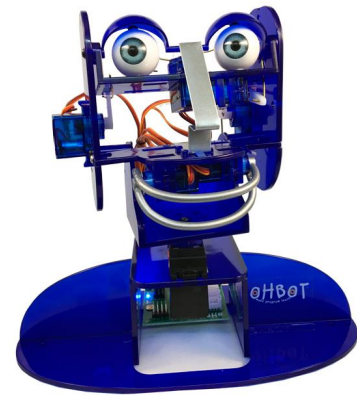
I can program a robot to make two movements at the same time

What do you think the
word simultaneously
means?

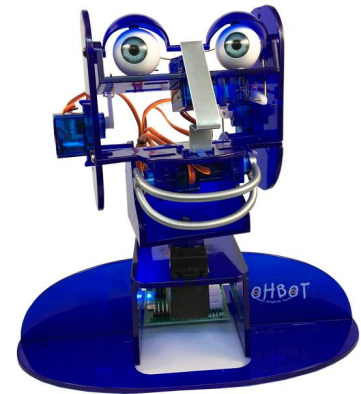


What moves can you perform simultaneously?

Can you nod your head and clap your hands simultaneously?



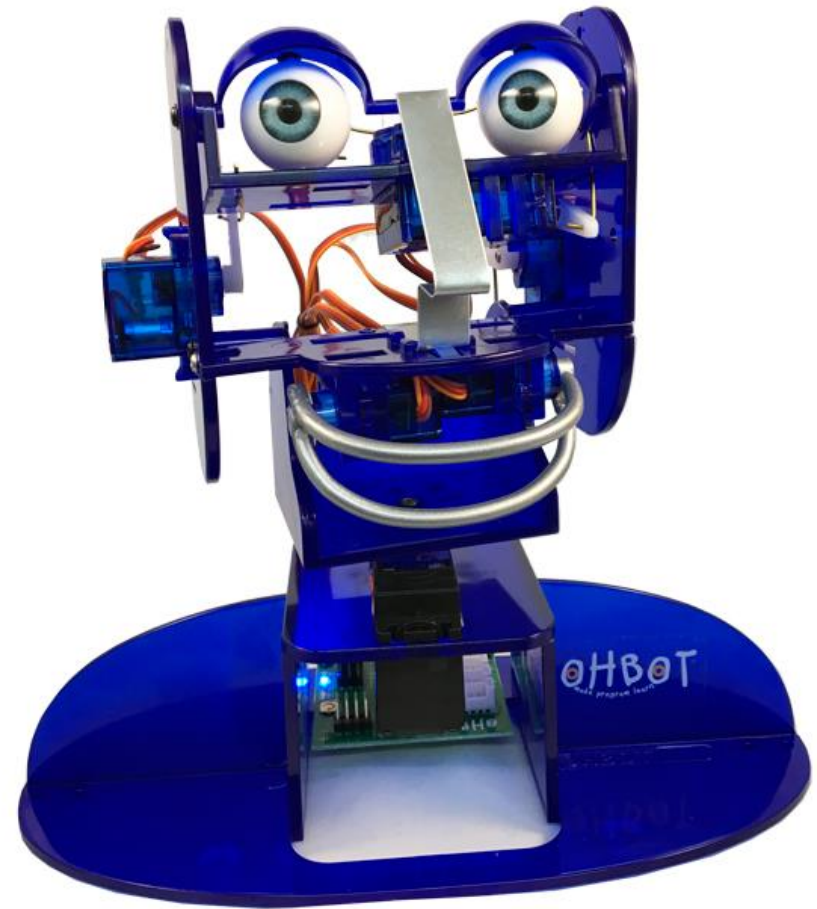
What moves do you think
Ohbot could perform
simultaneously?



Nod and blink simultaneously

Activity 1

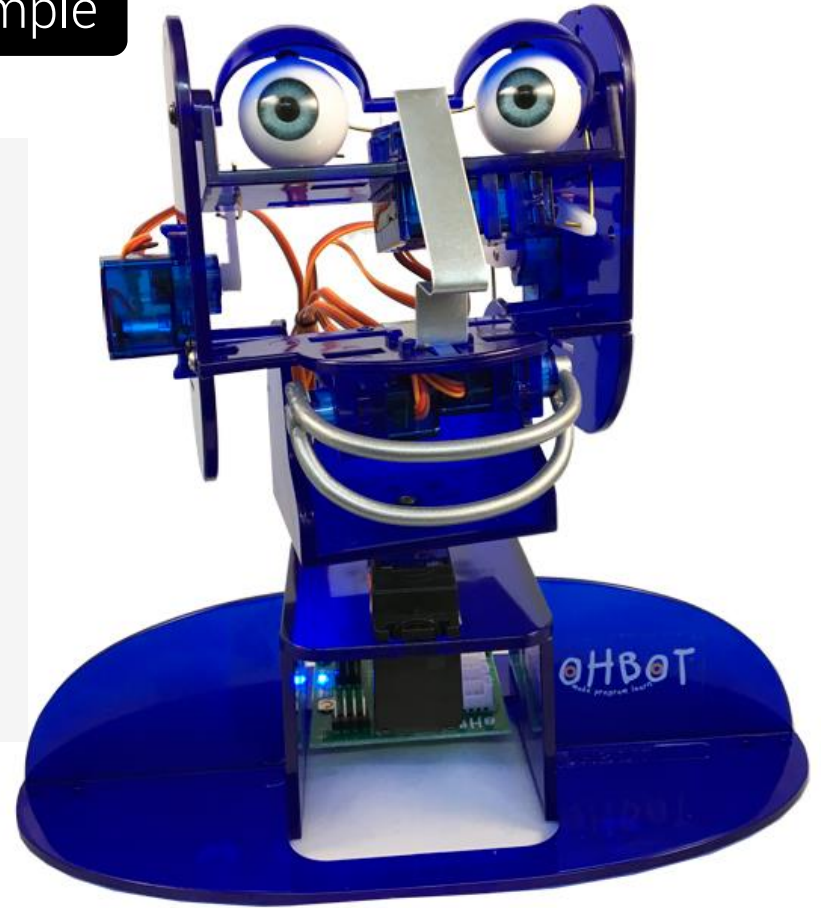
Can you write some code to make my head nod five times while I also blink five times?



Nod and blink simultaneously example

```
when clicked
  repeat 10
    set HeadNod to 0
    wait 1 secs
    set HeadNod to 10
    wait 1 secs
  set HeadNod to 5

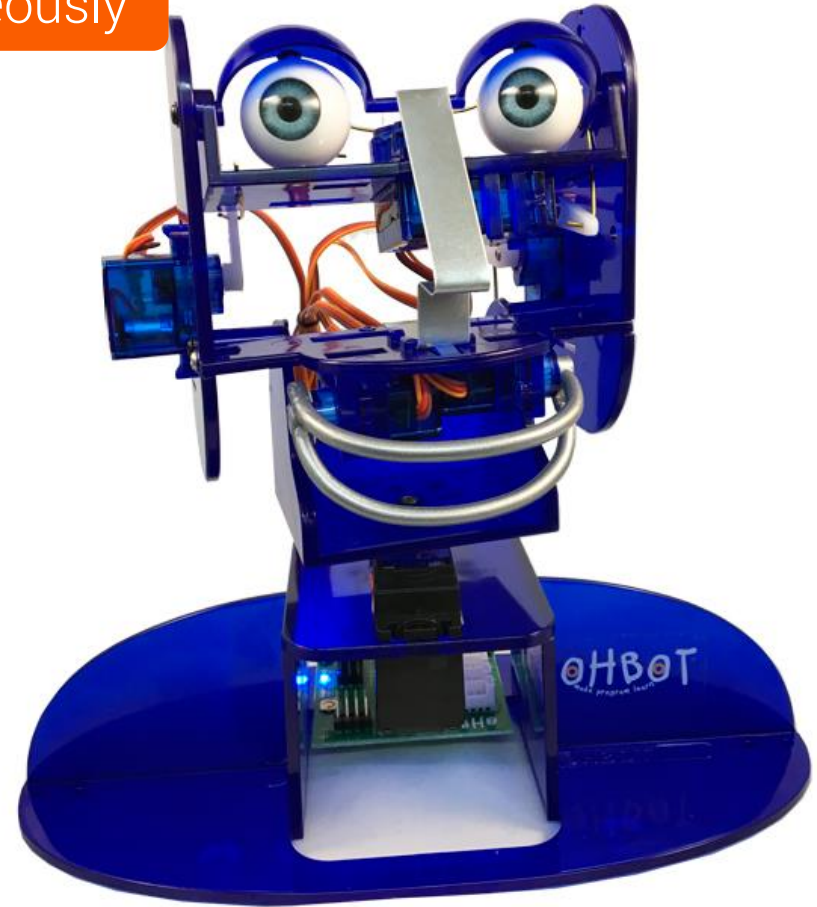
when clicked
  repeat 10
    set LidBlink to 0
    wait 1 secs
    set LidBlink to 10
    wait 1 secs
  set LidBlink to 5
```



Turn eyes and turn head simultaneously

Activity 2

Can you write some code to make my head turn left and right ten times while I also turn my eyes left and right ten times?

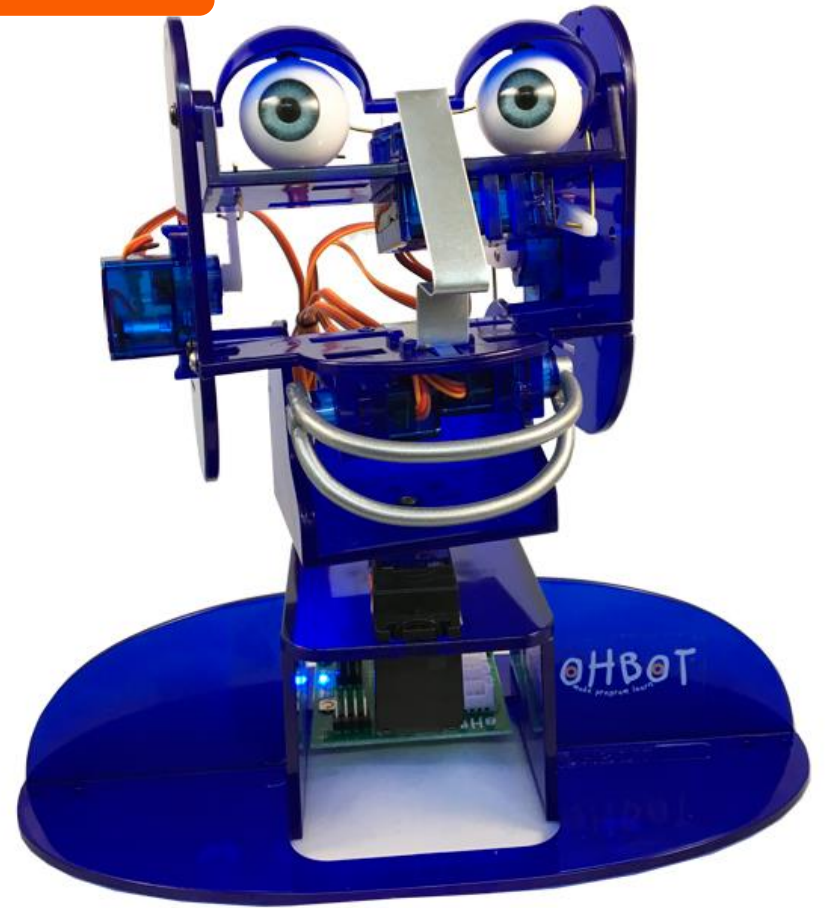


Move top lip and bottom lip simultaneously

I am feeling very sleepy.

Activity 3

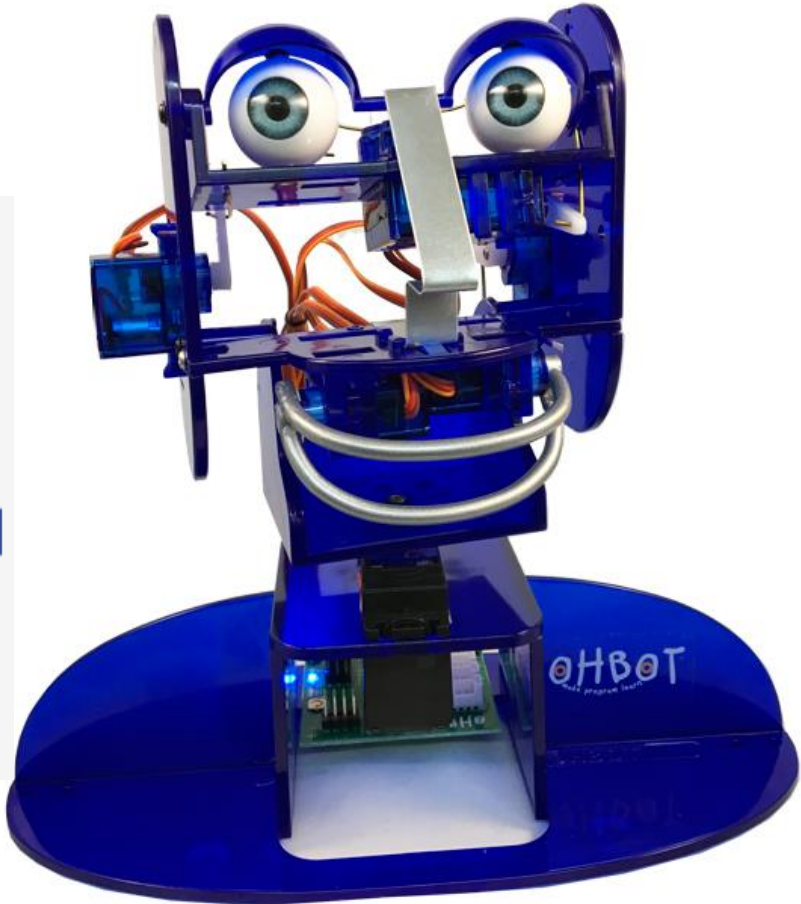
Can you write some code to make me yawn twice?



Move top lip and bottom lip simultaneously example

```
when clicked
  repeat 2
    set TopLip to 0
    wait 1 secs
    set TopLip to 10
    wait 1 secs
  set TopLip to 5

when clicked
  repeat 2
    set BottomLip to 0
    wait 1 secs
    set BottomLip to 10
    wait 1 secs
  set BottomLip to 5
```



Extension

Can you write your own program in which Ohbot performs three moves simultaneously?

