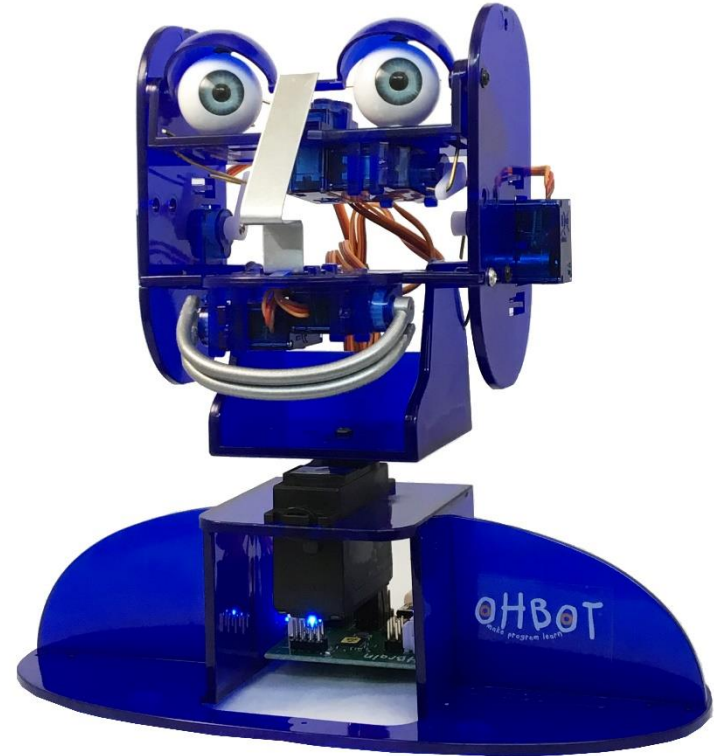


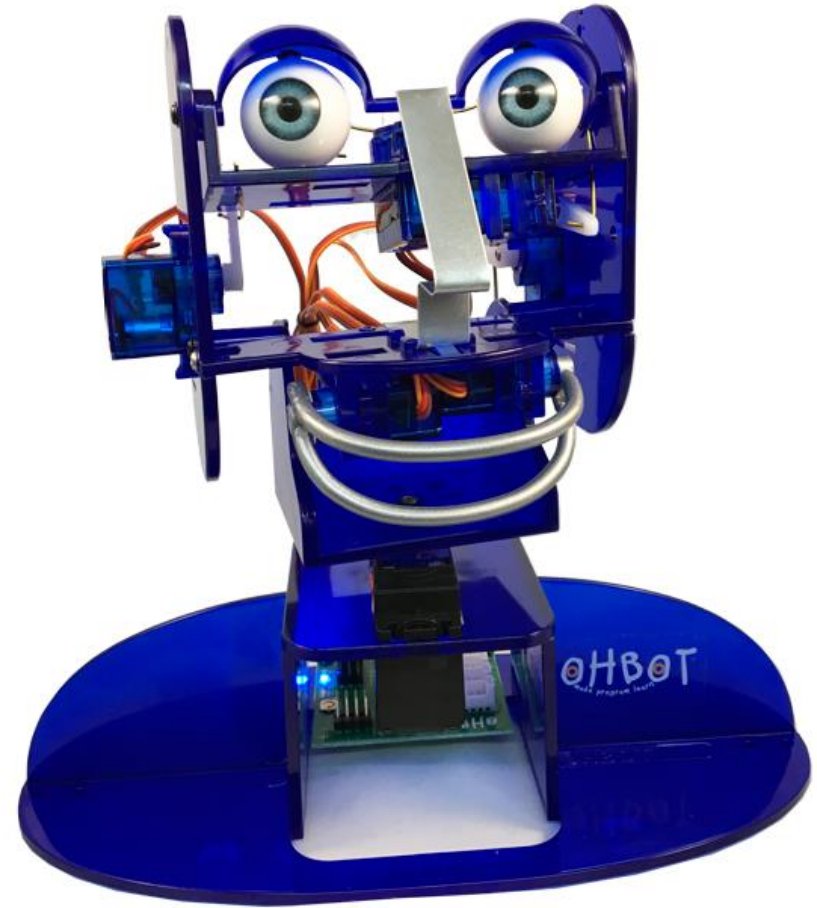
# Lesson 1 Blinks like me

I can program a robot to repeat movements with a random wait between



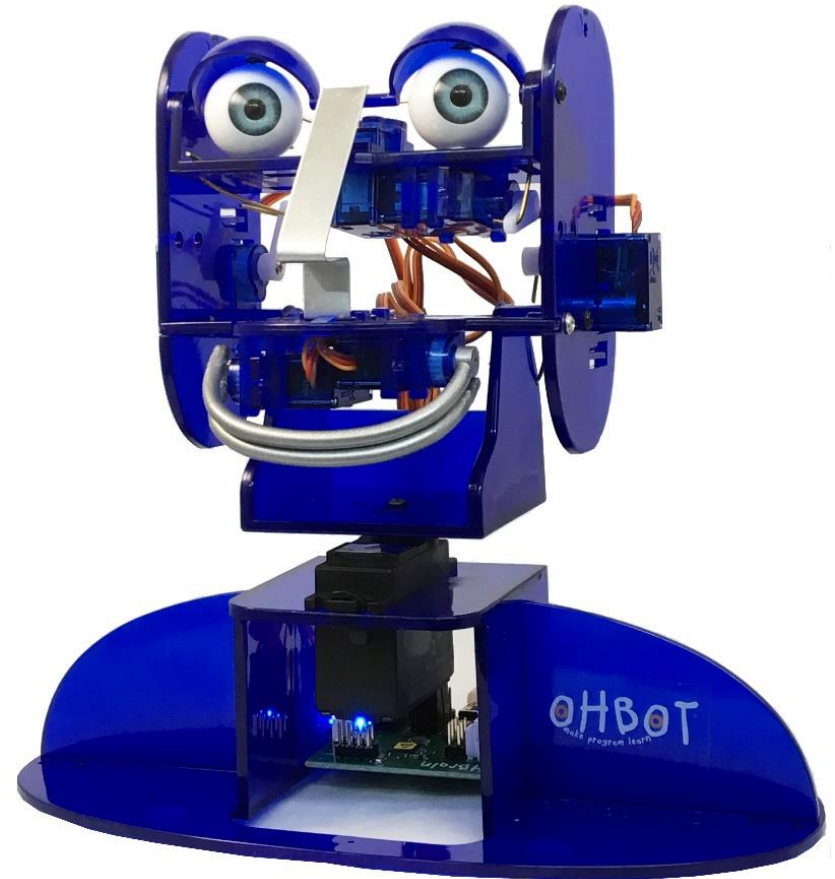
## Activity 1

Can you write a program to make Ohbot blink once when the Green Flag is clicked?



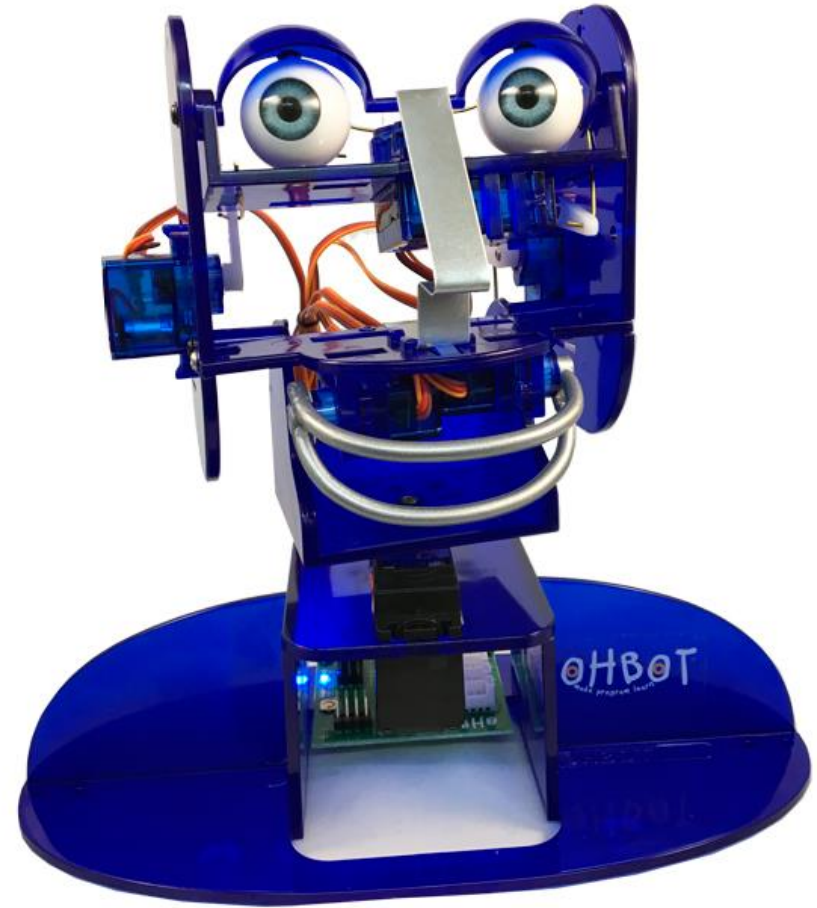
## Activity 2

Can you alter your program to make Ohbot continuously blink, a bit like you?



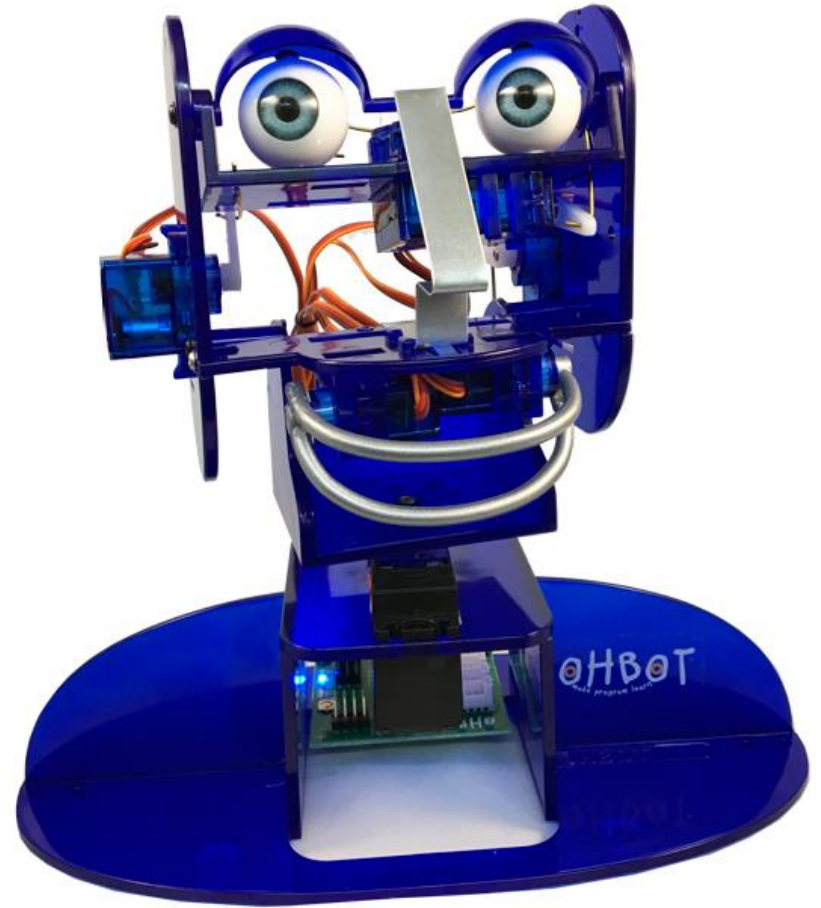
## Repeated lid blink example

```
when clicked
  forever
    set LidBlink to 10
    wait 1 secs
    set LidBlink to 10
    wait 1 secs
```



## Repeated lid blink example

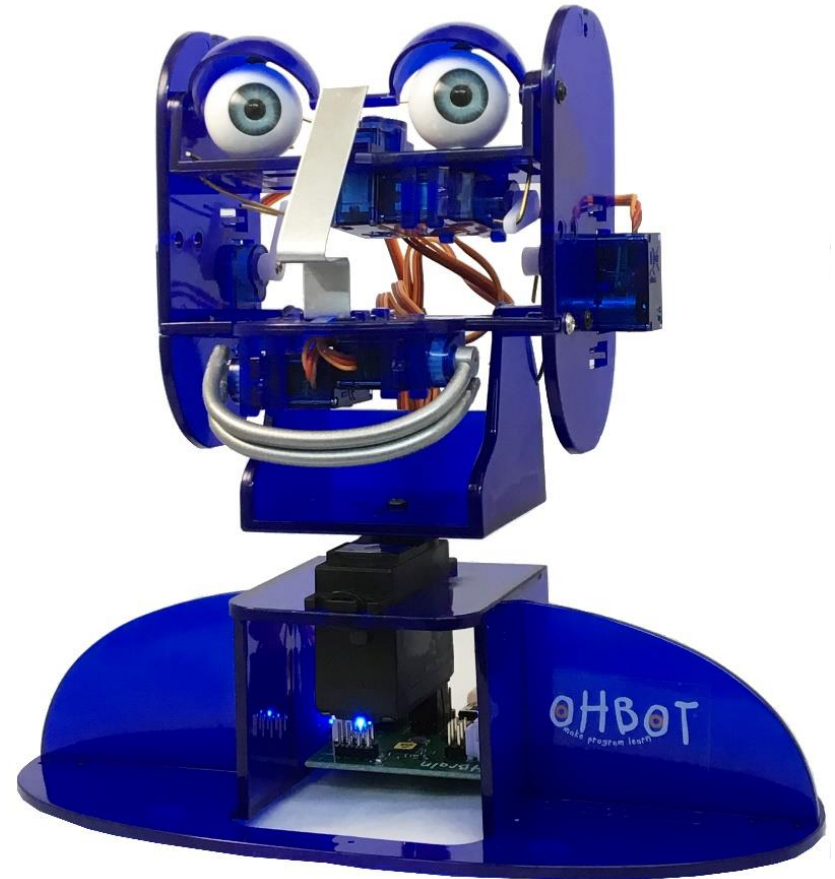
```
when clicked
  forever
    set LidBlink to 0
    wait .5 secs
    set LidBlink to 10
    wait pick random 0 to 4 secs
```



## Activity 4

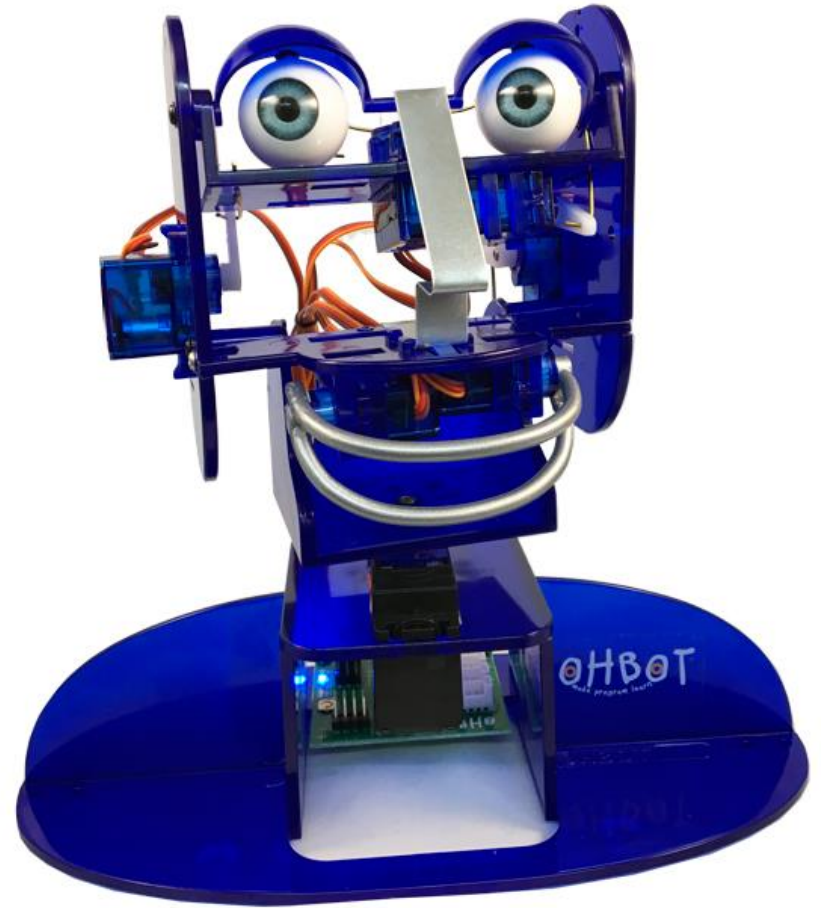
I can be just like a human and nod my head randomly

Can you write a program so that I repeatedly nod with a random wait between nods



# Repeated head nod example

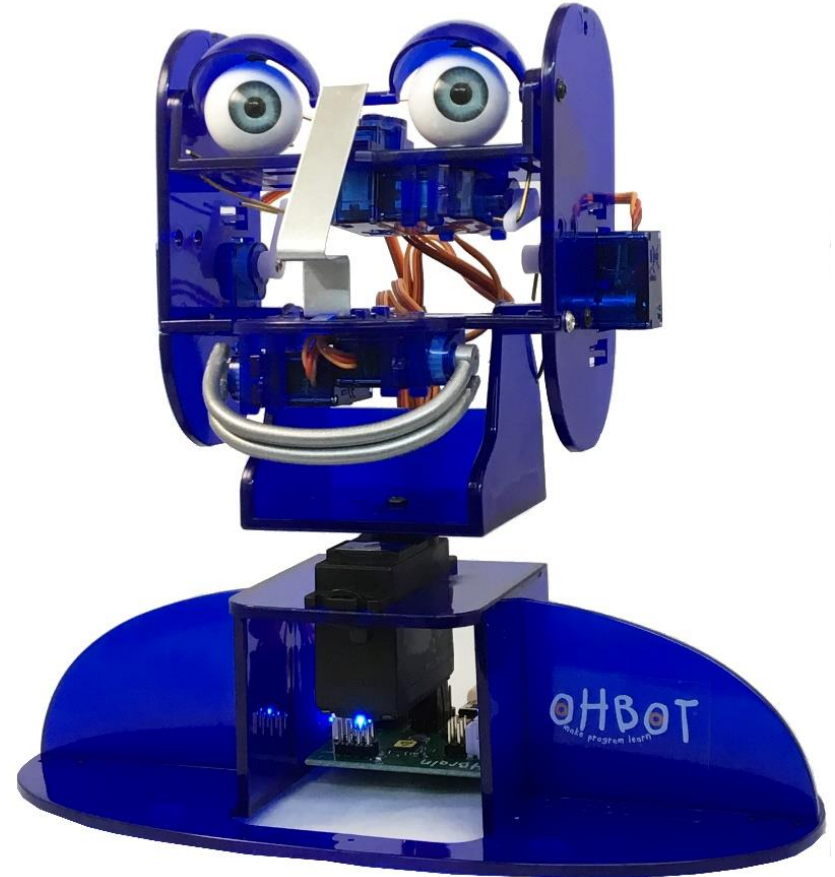
```
when clicked
  forever
    set HeadNod to 10
    wait 0.5 secs
    set HeadNod to 0
    wait 0.5 secs
    set HeadNod to 5
    wait pick random 1 to 4 secs
```



## Activity 5

Can you write a program to make Ohbot repeatedly shake its head with a random wait between shakes?

*File, Save As – eyes left*



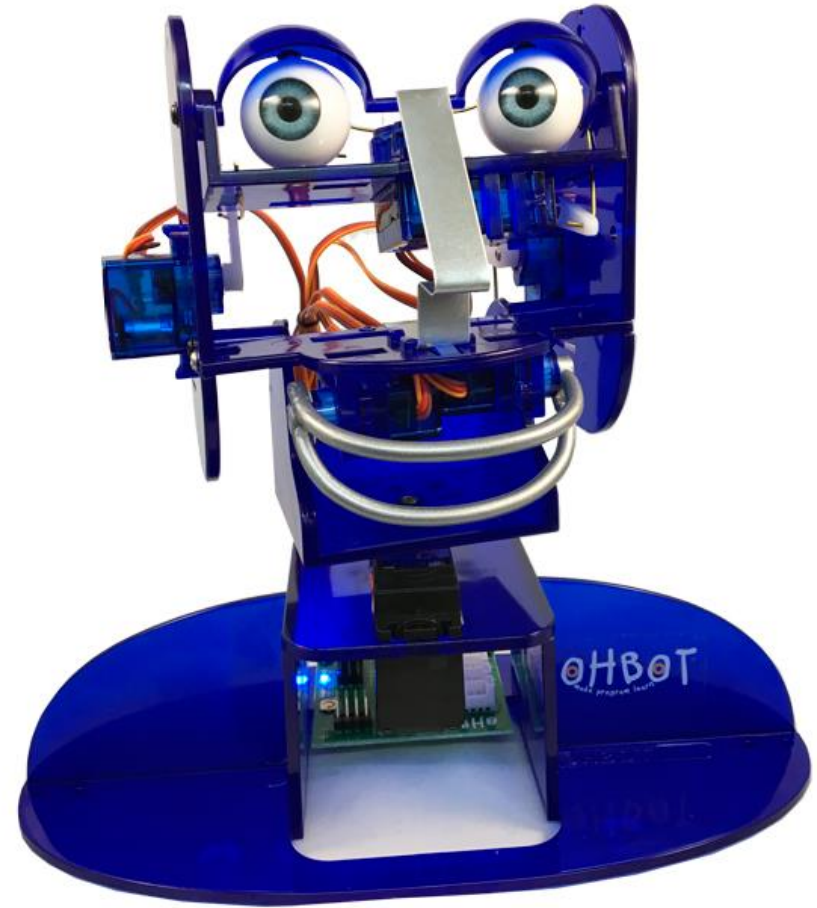


## Extension

Humans blink more often and for longer when they are tired. Can you write a program so that

When A is pressed  
Ohbot has sleepy eyes

When B is pressed  
Ohbot has alert eyes



Example

Sleepy eyes

```

when A key pressed
forever
  set LidBlink to 0
  wait pick random 2 to 4 secs
  set LidBlink to 10
  wait pick random 0 to 1 secs
  
```

Alert eyes

```

when B key pressed
forever
  set LidBlink to 0
  wait pick random 0 to 0.5 secs
  set LidBlink to 10
  wait pick random 3 to 5 secs
  
```

