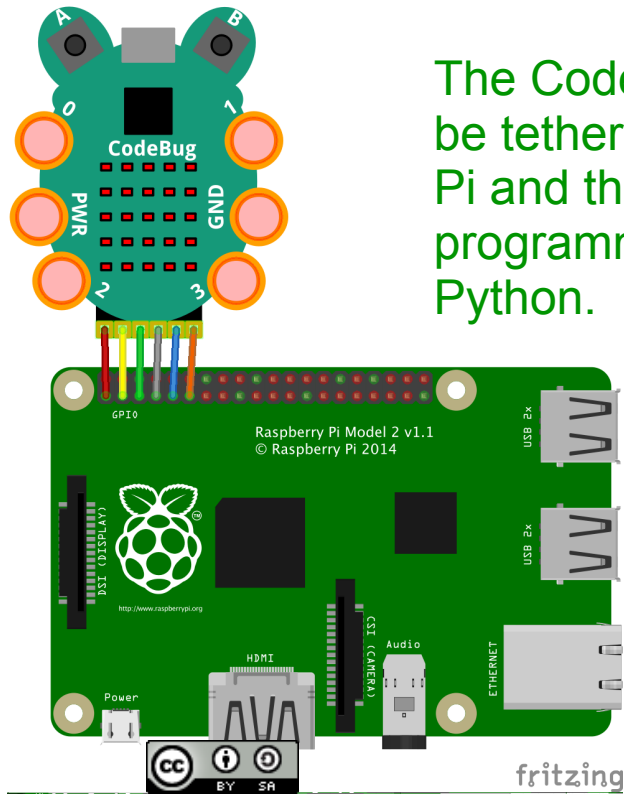
CODEBUG python™

It has 2 buttons (the eyes), 6 input/outputs (legs) and a 5x5 LED matrix

The CodeBug can be tethered to the Pi and then programmed using Python.

You can sit the CodeBug onto the GPIO pins rather than use wires



```
import codebug_i2c_tether as cb
from time import sleep

bug = cb.CodeBug() # Create a connection to the codebug
bug.open()
bug.clear() # Clear the LED matrix
bug.set_pixel(0,0,1) # bottom left LED
sleep(0.4)
bug.set_pixel(0,4,1) # top left LED
sleep(0.4)
bug.set_pixel(4,4,1) # top right LED
sleep(0.4)
bug.set_pixel(4,0,1) # bottom left LED
sleep(0.4)
bug.clear()
# start at bottom row (0) and move up to top (row 4)
for x in range(0,4):
    bug.set_row(x,0b11111) # all LEDs in row on
    sleep(0.2)
print('press button A')
while bug.get_input('A') == 0: # wait for button A press
    print('waiting')
for i in range(0,-30,-1): # scroll all the way across screen
    bug.write_text(i, 0, 'Hello', direction="right")
    sleep(0.1)
```

What other patterns can you make?

Can you make the text move faster?