

Traffic Light Controller

```
from machine import Pin
from time import sleep
```

```
red = Pin(1,Pin.OUT)
amber = Pin(5,Pin.OUT)
green = Pin(9,Pin.OUT)
```

```
red.on()
sleep(1)
red.off()
sleep(1)
amber.on()
sleep(1)
amber.off()
sleep(1)
green.on()
sleep(1)
green.off()
```

```
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```

WOKWI

SAVE

SHARE

♥

Docs

main.py

diagram.json

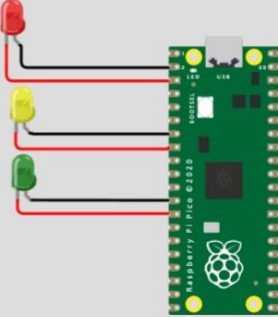
```
1
2 from machine import Pin
3 from time import sleep
4
5 red = Pin(1,Pin.OUT)
6 amber = Pin(5,Pin.OUT)
7 green = Pin(9,Pin.OUT)
8
9 red.on()
10 sleep(1)
11 red.off()
12 sleep(1)
13 amber.on()
14 sleep(1)
15 amber.off()
16 sleep(1)
17 green.on()
18 sleep(1)
19 green.off()
20
21 while True:
22     red.on()
23     sleep(1)
24     amber.on()
25     sleep(1)
26     green.on()
27     sleep(1)
28     red.off()
29     sleep(1)
30     amber.off()
```

Simulation

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Blinking LED

```
from machine import Pin
import utime
```

```
led = Pin(15,Pin.OUT)
```

```
while True:
    led.toggle()
    utime.sleep(0.5)
```

