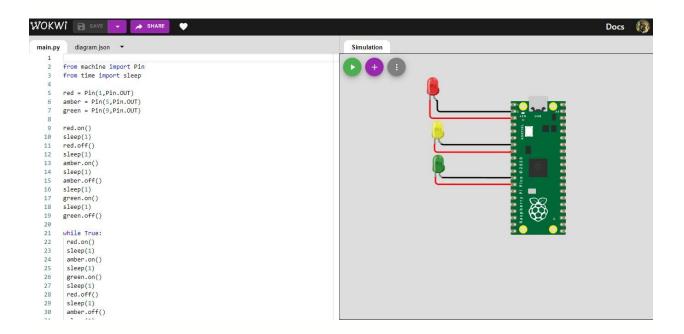# Traffic Light Controller

```python
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()
```

main.py   diagram.json

```python
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()
```

Simulation

Blinking LED

```python
from machine import Pin
import utime

led = Pin(15,Pin.OUT)

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