

ASSIGNMENT-3(NALAIYA THIRAN)

NAME: LOGENDIRAN.P

ROLL NUMBER: 1919106047

CODE:

```
import RPi.GPIO as GPIO

import time

import signal

import sys


GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)


def allLightsOff(signal, frame):

    GPIO.output(9, False)

    GPIO.output(10, False)

    GPIO.output(11, False)

    GPIO.cleanup()

    sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)


while True:

    # Red

    GPIO.output(9, True)

    time.sleep(3)
```

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Red and amber

GPIO.output(10, True)

time.sleep(1)

Green

GPIO.output(9, False)

GPIO.output(10, False)

GPIO.output(11, True)

time.sleep(5)

Amber

GPIO.output(11, False)

GPIO.output(10, True)

time.sleep(2)

Amber off (red comes on at top of loop)

GPIO.output(10, False)