ASSIGNMENT-3(NALAIYATHIRAN)

NAME:KARTHIKEYAN.S

ROLL NUMBER: 1919106041

CODE:

```
import RPi.GPIO as
GPIO import time
import
signal
import sys

GPIO.setmode(GPIO.B
CM) 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
```