

Assignment 3

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Write a python code for LED blinking and traffic with raspberry pi :

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)
    # 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)
GPIO.output(11, False)
GPIO.output(10, True)
time.sleep(2)
```