

ASSIGNMENT 3

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PROGRAM :

TRAFFIC LIGHT

```
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)
while True:
    # red
    GPIO.output(9, True)
    time.sleep(3)
    # yellow
    GPIO.output(10, True)
    time.sleep(2)
    # green
    GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, True)
    time.sleep(5)
    # yellow
    GPIO.output(11, False)
    GPIO.output(10, True)
    time.sleep(2)

    GPIO.output(10, False)
```

BLINK :

```
import
RPi.GPIO
as GPIO

from time import sleep
```

```
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    sleep(1)
```