PYTHON CODE FOR BLINKING LED

```
import RPi.GPIO as GPIO
from time import sleep

GPIO.setwarnings(False) 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)
```

PYTHON CODE FOR TRAFFIC LIGHT

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

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)

demo 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)

# 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)
```