

PYTHON CODE FOR BLINKING LED AND

TRAFFIC LIGHTS FOR RASPBERRY PI

```
For 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) For Traffic Lights:
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,framer):
    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)
```

