

## 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

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)

#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)