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)
# Traffic light Simulation
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)
  # 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)
```

PROGRAM FOR TRAFFIC LIGHT

```
from gpiozero import LED
from time import sleep
red= LED(17)
                      #pin numbers connected to Led's
aster=(22)
green=(27)
while True:
  red.on()
                       #RED light
  print("Red light is ON")
  for i in range(100,0,-1):
    print("Remaining time: ",i)
    sleep(1)
  red.off()
                       # ASTER light
  aster.on()
  print("Yellow light is ON")
  for i in range(5,0,-1):
    print("Remaining time: ",i)
    sleep(1)
  aster.off()
  green.on
                       #GREEN light
  print("Green light is ON")
  for i in range(30,0,-1):
    print("Remaining time: ",i)
    sleep(1)
  green.off()
```