CODE FOR LED BLINK

```
 import RPi.GPIO as GPIO # RPi.GPIO can be referred as GPIO from now
import time

ledPin = 22    # pin22

def setup():
    GPIO.setmode(GPIO.BOARD)       # GPIO Numbering of Pins
    GPIO.setup(ledPin, GPIO.OUT)   # Set ledPin as output
    GPIO.output(ledPin, GPIO.LOW)  # Set ledPin to LOW to turn Off the LED

def loop():
    while True:
        print 'LED on'
        GPIO.output(ledPin, GPIO.HIGH)   # LED On
        time.sleep(1.0)                  # wait 1 sec
        print 'LED off'
        GPIO.output(ledPin, GPIO.LOW)    # LED Off
        time.sleep(1.0)                  # wait 1 sec
def endprogram():

    GPIO.output(ledPin, GPIO.LOW)     # LED Off
    GPIO.cleanup()                    # Release resources

if __name__ == '__main__':        # Program starts from here
```

```
    setup()
    try:
        loop()
    except KeyboardInterrupt:  # When 'Ctrl+C' is pressed, the destroy() will be  executed.
        endprogram()
```

CODE FOR TRAFFIC LIGHT

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

while True:
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```