CODE FOR LED BLINK

```python
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()
```