PYTHONCODE FORBLINKING LED:

```
import RPI.GPIO as
GPIOfromtimeimportsleep

GPIO.setwarnings(False)GPIO.
setmode(GPIO.BOARD)
GPIO.setup(7,GPIO.OUT,initial=GPIO.LOW)

whileTrue:
    GPIO.output(7,GPIO.HIGH)
    print("LED
    on")sleep(1)
    GPIO.output(7,GPIO.LOW)
    print("LED
    off")sleep(1)
```

PYTHONCODEFOR TRAFFICLIGHT:

```
import RPI.GPIO as
GPIOimport time
import
signalimport
sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9,
GPIO.OUT)GPIO.setup(10,
GPIO.OUT)
```

```
GPIO.setup(11,GPIO.OUT)

defallLightsOff(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
    Tru
    e:#
    Re
    d
     GPIO.output(9,
    True)time.sleep(
    3)

    #GreenGPIO.outp
    ut(9,
    False)GPIO.outpu
    t(10,
    False)GPIO.outpu
    t(11,
    True)time.sleep(5
    )

  #
    AmberGPIO.outp
    ut(11,
    False)GPIO.outpu
    t(10,
    True)time.sleep(2
    )

# Amber off (red comes on at top of
    loop)GPIO.output(10,
    False)GPIO.output(10,
    False)GPIO.output(11, False)
    GPIO.clea
    nup()sys.e
    xit(0)
```