

#### PYTHON CODE FOR BLINKING LED:

```
Import RPi.GPIO as GPIO
Import time
GPIO.setmode(GPIO.BCM)
#GPIO.setmode(GPIO.BOARD)
Cnt = 0
MAIL_CHECK_FREQ = 1
RED_LED = 4
GPIO.setup(RED_LED, GPIO.OUT)
While True:
Ifcnt == 0 :
GPIO.output(RED_LED, False)
Cnt = 1
Else:
GPIO.output(RED_LED, True)
Cnt = 0
Time.sleep(MAIL_CHECK_FREQ)
GPIO.cleanup()
```

#### PYTHON CODE FOR TRAFFIC LIGHTS:

```
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()
```