PYTHON CODE FOR BLINKING LED FOR RASPBERRY PI

```
#blinking with gpiozero library
 From gpiozero import LED
From time import sleep
Led = LED(23)
While True:
Led.on()
 Print('LED ON')
 Sleep(1)
 Led.off()
 Print('LED OFF')
 Sleep(1)
```

PYTHON CODE FOR TRAFFIC LIGHTS FOR RASPBERRY PI

```
import RPi.GPIO as GPIO

import time

GPIO.setmode( GPI0.BOARD) GPIO.setup(7, GPIO.OUT)# Green LED GPIO.setup(11,GPIO.0UT)#Yellow LED
GPIO.setup(13,GPI0.0UT)#Red

LED GPI0.setup(15, GPIO.IN, pull_up_down=GPIO.PUD UP) #Button

def turn on (pin,seconds):

    def GPIO.output (pin, GPIO . HIGH) time.sleep(pin, seconds)

    def trun of(pin, seconds)

    GPI0.output (pin, GPIO .LOW)

    time.sleep(seconds)

    try:

    while True: Button State= GPI0.input(15)

    If button State= True:

    turn on(13,2)
```

```
turn off(13,.1)

turn on (7,4)

turn off(7, .1)

turn on(11,1)

turn off(11,.1)

else:

    if button state = False: GPIO.output(7,GPIO.LOW)
    GPIO.output(11,GPIO.LOW)
    GPIO.output(13,GPIO.LOW) time.sleep(.1)

    except Keyboard Interrupt:

GPI0.cleanup()
```