AssignmentDate	06October2022
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1. RaspberryPiProgram toBlinkALED.

```
importRPi.GPIOasGPIO #ImportRaspberry PiGPIOlibrary

fromtimeimport sleep

#ImportthesleepfunctionfromthetimemoduleGPIO.setwarnings(False) # Ignore

warning for nowGPIO.setmode(GPIO.BOARD)#Usephysicalpinnumbering

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low

(off)whileTrue: #Run forever

   GPIO.output(8,GPIO.HIGH)#Turnonslee

   p(1) # Sleep for 1

   secondGPIO.output(8, GPIO.LOW) #

   Turn offsleep(1)#Sleepfor1second
```

2. RaspberryPiProgramforTrafficLight.

```
fromgpiozeroimportBuzzerfromgpiozeroimportButtonfromgpioz

ero import LED

fromtimeimportsleep

button=Button(21)buzzer=Buzzer(15)redle

d=LED(25)

yellowled=LED(8)greenled=LED(7)whil

eTrue:

    if

       button.is_pressed:r

       edled.on()buzzer.o

       n()sleep(2)redled.of

       f()buzzer.off()yello

       wled.on()sleep(2)ye

       llowled.off()greenle

       d.on()sleep(2)green

       led.off()break
```