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LED BLINKING

```
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library from time
import sleep # Import the sleep function from the time module

GPIO.setwarnings(False)          # Ignore warning for now

GPIO.setmode(GPIO.BOARD)        # Use physical pin numbering

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)    # Set pin 8 to be an output pin and set initial value to
low (off) while True: # Run forever  GPIO.output(8, GPIO.HIGH) # Turn on sleep(2) # Sleep for 2
second GPIO.output(8,
GPIO.LOW) # Turn off sleep(2) # Sleep for 2
```

TRAFFIC LIGHTS

```
import Rpi.GPIO as GPIO import
time import signal import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9,GPIO.OUT)
GPIO.setup(10,GPIO.OUT)
GPIO.setup(11,GPIO.OUT) def
allLightsOff(signal,famei):
GPIO.output(9,False)
GPIO.output(10,False)
```

```
GPIO.output(11,False) GPIO.cleanup()
sys.exit(0)
signal.signal(signal.SIGINT,allLightsOff) while
True: #Red GPIO.output(9,True) time.sleep(3)
#Red and amber GPIO.output(10,True)
time.sleep(1) #Green GPIO.output(9,False)
GPIO.output(10,False) GPIO.output(11,True)
time.sleep(5) #Amber
GPIO.output(11,False)
GPIO.output(10,True) time.sleep(2)
#Amber off (red comes on at top of loop)
GPIO.output(10,False)
```