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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,frame):
    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)
```