IoT – Assignment – 2 (Raspberry Pi GPIO)

SINGLE LED ON/OFF

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO setwarnings(False)
GPIO.setup(12,GPIO.OUT)
try:
  while True:
      print("LED ON")
      GPIO.output(12,GPIO.HIGH)
      time.sleep(1)
      print("LED OFF")
      GPIO.output(12,GPIO.LOW)
      time.sleep(1)
except:
  GPIO.cleanup()
```


TWO LEDs ON/OFF

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO setwarnings(False)
GPIO.setup(12,GPIO.OUT)
GPIO.setup(19,GPIO.OUT)
try:
  while True:
      print("LED ON")
      GPIO.output(12,GPIO.HIGH)
      GPIO.output(19,GPIO.HIGH)
      time.sleep(1)
      print("LED OFF")
      GPIO.output(12,GPIO.LOW)
      GPIO.output(19,GPIO.LOW)
```

```
      time.sleep(1)
except:
  GPIO.cleanup()
```

BUZZER WITH ONE LED ON/OFF

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.setup(12,GPIO.OUT)
GPIO.setup(19,GPIO.OUT)
try:
  while True:
    print("LED Buzzer ON")
    GPIO.output(12,GPIO.HIGH)
    GPIO.output(19,GPIO.HIGH)
    time.sleep(1)
    print("LED & Buzzer OFF")
    GPIO.output(12,GPIO.LOW)
    GPIO.output(19,GPIO.LOW)
    time.sleep(1)
except:
  GPIO.cleanup()
```


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