

### **IBM ASSIGNMENT - 3**

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**Build a python code. Assume u get temperature and humidity values(generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.**

**Program :**

```
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:**

**GPIO.output(9, True)**

**time.sleep(3)**

**GPIO.output(10, True)**

**time.sleep(1)**

**GPIO.output(9, False)**

**GPIO.output(10, False)**

**GPIO.output(11, True)**

**time.sleep(5)**

**GPIO.output(11, False)**

**GPIO.output(10, True)**

**time.sleep(2)**

**GPIO.output(10, False)**



