

## **ASSIGNMENT-2**

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**Question:**

**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 random
While(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature : ", temp)
    print("current humidity : ", humid,"%")
    temp_ref=60
    humid_ref=87
    if temp>temp_ref and humid<humid_ref:
        print("sound alarm")
    else :
        print("sound off")
    break
```

**Schematic Output:**

<div>Temp and Humidity.py - C:/Users/kgbar/Temp and Humidity.py (3.8.10)</div> <div>File Edit Format Run Options Window Help</div> <div>import random</div> <div>while(True):</div> <div>temp=random.randint(10,99)</div> <div>humid=random.randint(10,99)</div> <div>print("Current temperature:",temp)</div> <div>print("Current humidity:",humid, "%")</div> <div>temp_ref=60</div> <div>humid_ref=87</div> <div>if temp&gt;temp_ref and humid&lt;humid_ref:</div> <div>print("Sound alarm")</div> <div>else:</div> <div>print("Sound off")</div> <div>break</div> <div>Ln: 9 Col: 16</div>	<div>IDLE Shell 3.8.10</div> <div>File Edit Shell Debug Options Window Help</div> <div>Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32</div> <div>Type "help", "copyright", "credits" or "license()" for more information.</div> <div>&gt;&gt;&gt;</div> <div>===== RESTART: C:/Users/kgbar/Temp and Humidity.py =====</div> <div>current temperature: 10</div> <div>current humidity: 75 %</div> <div>Sound off</div> <div>&gt;&gt;&gt;  </div> <div>Ln: 8 Col: 4</div>
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