

## **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.

### **SOLUTION:-**

```
import random

while(True):

    temp=random.randint(10,99)

    humid=random.randint(10,99)

    print("current temperature:",temp)

    print("current humidity:",humid,"%")

    temp_ref=37

    humid_ref=35

    if temp>temp_ref and humid<humid_ref:

        print("Sound alarm")

    else:

        print("Sound off")

    break
```

### **OUTPUT:-**

```
current temperature: 79
current humidity: 98 %
Sound off
```

IBM-2.py - C:/Users/HOME/AppData/Local/Programs/Python/Python310/IBM-2.py (3.10.7)

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```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and umid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
    break
```

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IDLE Shell 3.10.7

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Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

```
>>>
===== RESTART: C:/Users/HOME/AppData/Local/Programs/Python/Python310/IBM-2.py =====
current temperature: 79
current humidity: 98 %
Sound off
>>>
```

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