

Cape Institute of Technology

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Assignment: Build a python code. Assume u get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

Date: 22/09/2022

CODE:

```
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
```

PROGRAMME:

sss.py - C:\Users\rahim\AppData\Local\Programs\Python\Python39\sss.py (3.9.4)

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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 humid<humid_ref:
        print("Sound Alarm")
    else:
        print("Sound off")
    break
```

Output :

```
===== RESTART: C:\Users\rahim\AppData\Local\Programs\Python\Python39\sss.py =====
current temperature: 91
current humidity: 14 %
Sound Alarm
>>> |
```