

Assignment -2
Python Programming

Assignment Date	06 October 2022
Student Name	Pakkiya S
Student Roll Number	962819205023
Maximum Marks	2 Marks

Question:

Build a python code. Assume you get temperature and humidity values (generated with random functions to 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_refandhumid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
    break
```

Output:

<pre>main.py 1 import random 2 while(True): 3 temp=random.randint(10,99) 4 humid=random.randint(10,99) 5 print("current temperature:",temp) 6 print("current humidity:",humid,"%") 7 temp_ref=37 8 humid_ref=35 9 if temp>temp_refandhumid<humid_ref: 10 print("Sound alarm") 11 else: 12 print("Sound off") 13 break</pre>	<pre>Shell current temperature: 58 current humidity: 43 % Traceback (most recent call last): File "<string>", line 9, in <module> NameError: name 'temp_refandhumid' is not defined > </pre>
---	--