

**Team Leader :** Prabha M

**Name:** Saranya A

**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:**25-09-2022

**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

**Output :**

main.py	  	Shell
<pre>1 import random 2 while(True): 3     temp=random.randint(10,99) 4     humid=random.randint(10,99) 5 6     print("current temperature:",temp) 7     print("current humidity:",humid,"%") 8     temp_ref=37 9     humid_ref=35 10    if temp&gt;temp_ref and humid&lt;humid_ref: 11        print("Sound Alarm") 12    else: 13        print("Sound off") 14    break</pre>		<pre>current temperature: 61 current humidity: 16 % Sound Alarm &gt;  </pre>