

VSB ENGINEERING COLLEGE KARUR

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Name: PARTHIBAN M

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

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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	Run	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>temp_ref and humid<humid_ref: 11 print("Sound Alarm") 12 else: 13 print("Sound off") 14 break</pre>		<pre>current temperature: 61 current humidity: 16 % Sound Alarm > </pre>