

VSB ENGINEERING COLLEGE KARUR

Name : VIGNESH.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("So
und 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 15</pre>		<pre>current temperature: 61 current humidity: 16 % Sound Alarm > </pre>

