VSB ENGINEERING COLLEGE KARUR

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

CODE: import random

```
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 :

```
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
```

Shell

```
current temperature: 61
current humidity: 16 %
Sound Alarm
>
```