

M.KUMARASAMY COLLEGE OF ENGINEERING

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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
```

PROGRAMME:

```
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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 :

```
current temperature: 86
current humidity: 16 %
Sound Alarm
>>> |
```