ASSIGNMENT-2

NAME: R.GOKULAKRISHNAN
REG NO:811519106047

QUESTION:
Build a python code, Assume you get temperature and humidity values (Generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PROGRAM:
```python
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=41
humid_ref=47
if temp>temp_ref and humid<humid_ref:
            print("Sound alarm")
 else:
     print("Sound off")
 break
```

SCHEMATIC OUTPUT:

```python
1  import random
2  while(True):
3      temp=random.randint(10,99)
4      humid=random.randint(10,99)
5      print("current temperature:",temp)
6      print("current humidity:",humid,"%")
7      temp_ref=41
8      humid_ref=47
9      if temp>temp_ref and humid<humid_ref:
10         print("Sound alarm")
11     else:
12         print("Sound off")
13     break
```

Shell ×

```
>>> %Run -c $EDITOR_CONTENT
 current temperature: 59
 current humidity: 41 %
 Sound alarm

>>>
```