ASSIGNMENT 2

NAME : Akilandeshwari. P

Build a python code, Assume u 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.

Code:

```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=37
 humid_ref=35
 if temp>temp_ref and humid<humid_ref:
   print("Sound Alarm")
 else:
   print("Sound off")
 break
```

Result:

```
main.py                                              [ ]    G      Run

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=37
8     humid_ref=35
9 ▾   if temp>temp_ref and humid<humid_ref:
10        print("Sound Alarm")
11 ▾  else:
12        print("Sound off")
13    break
```

Output:

```
Shell

current temperature: 65
current humidity: 80 %
Sound off
>
```