ASSIGNMENT-2

NAME: S.HARINIE

REG NO:811519106050

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:

```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=67
    humid_ref=72
    if temp>temp_ref and humid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
    break
```

SCHEMATIC OUTPUT:

```
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=67
8      humid_ref=72`
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: 56
 current humidity: 92 %
 Sound off

>>>
```