Assignment-2

Question-1:

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.

Solution:

```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
```

Output:

Current temperature:86

Current humidity:16%

Sound Alarm

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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=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
>>> |
```