Assignment -2
Python Programming

Assignment Date	27 September 2022
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Maximum Marks	2 Marks

Question-1:

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.

Solution:

```
import random

while(True):

a=random.randint(10,99) b=random.randint(10,99)

if(a>25 and b>70):

print("Temperature and humidity of:",a,b,"%","Alarm is on")

elif(a<25 and b<70):

print("Temperature and humidity of:", a,b,"%","Alarm is off")

break
```

```
import random
while(True):
 a=random.randint(10,99)
 b=random.randint(10,99)
 if(a>25 and b>70):
    print("Temperature and humidity of:",a,b,"%","Alarm is on")
 elif(a<25 and b<70):
    print("Temperature and humidity of:", a,b,"%","Alarm is off")
    break
```

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more inform
>>>
==== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python3
==
Temperature and humidity of: 59 71 % Alarm is on
Temperature and humidity of: 59 86 % Alarm is on
Temperature and humidity of: 77 98 % Alarm is on
Temperature and humidity of: 14 44 % Alarm is off
>>>
```