Assignment -1
Python Programming

Assignment Date	28 September 2022
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Student Roll Number	910019106012
Maximum Marks	2 Marks

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 the alarm in case of high temperature.

solution:

```
import time
i=0
while (i<=10):
  i=i+1
  time.sleep(1)

  import random
  temperature=random.randint(0,30)
  humidity=random.randint(1,100)
  if temperature<=15:
    print(temperature, "temperature is low")
  elif temperature<=25:
    print(temperature, "temperature is normal")
  else :
    print(temperature, "temperature is high")
  if humidity<=30:
    print(humidity, "humidity is low ")
  elif humidity<=60:
    print(humidity, "humidity is normal")
```

else   :
```
============================================= RESTART: C:/Users/mazzm/AppData/Local/
Programs/Python/Python310/assignment 2.py ======================================
===
13 temperature is low
30 humidity is low
0 temperature is low
8 humidity is low
6 temperature is low
98 humidity is high
3 temperature is low
63 humidity is high
7 temperature is low
36 humidity is normal
18 temperature is normal
12 humidity is low
30 temperature is high
18 humidity is low
25 temperature is normal
99 humidity is high
23 temperature is normal
66 humidity is high
8 temperature is low
77 humidity is high
22 temperature is normal
32 humidity is normal
```
    print(humidity, "humidity is high")