ASSIGNMENT-2

Date	28th September 2022
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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 very LOW")
    elif temperature<=25:
        print(temperature,
  "temperature is NORMAL")
    else :
        print(temperature,
  "temperature is very HIGH")
    if humidity<=30:
        print(humidity, "humidity is
very LOW ")
    elif humidity<=60:
        print(humidity, "humidity is
NORMAL")
     else :
        print(humidity, "humidity is
very HIGH")
```

```
=== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/assignment - 2.py ===
11 temperature is very LOW
45 humidity is NORMAL
29 temperature is very HIGH
7 humidity is very LOW
18 temperature is NORMAL
50 humidity is NORMAL
10 temperature is very LOW
98 humidity is very HIGH
22 temperature is NORMAL
96 humidity is very HIGH
2 temperature is very LOW
38 humidity is NORMAL
9 temperature is very LOW
74 humidity is very HIGH
9 temperature is very LOW
75 humidity is very HIGH
0 temperature is very LOW
88 humidity is very HIGH
0 temperature is very LOW
38 humidity is NORMAL
6 temperature is very LOW
37 humidity is NORMAL
```