ASSIGNMENT II

Submitted by:

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Question:

Build a python code, Assume a get temperature and humidity values (generated with random function to as variable) and write a condition to continuously detect alarm in case of High Temperature.

SOLUTION:

Python Code

```
import random
import time

while True:
    temp = random.randint(-100,100)
    humidity = random.randint(0,100)

    print("Temperature is ",temp)
    print("Humidity is ",humidity)
```

```python
if temp>70:
    print("Temperature is high")
    print("Alarm is on")

elif temp<20:
    print("Temperature is low")
    print("Alarm is on")

else:
    print("Temperature is Normal")

time.sleep(1)

print("\n")
```

OUTPUT:

```
Temperature is  66
Humidity is  5
Temperature is Normal


Temperature is  -51
Humidity is  95
Temperature is low
Alarm is on


Temperature is  -67
Humidity is  35
Temperature is low
Alarm is on


Temperature is  72
Humidity is  12
Temperature is high
Alarm is on


Temperature is  40
Humidity is  42
Temperature is Normal
```