

Assignment -2
Python Programming

Assignment Date	25 September 2022
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Student Roll Number	920819106026
Maximum Marks	2 Marks

Question-1:

```
import random

import time

while (1):

    temp= random.randint(0, 100) #Assume temperature threshold as 40

    humi= random.randint(0, 100) #Assume humidity threshold as 35

    thresht=40

    threshh=35

    if temp>thresht or humi> threshh :

        print("ALERT!!! Detected temperature is: "+str(temp)+"°C, Detected Humidity is: "+str(humi))

    time.sleep(1)
```

output:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

===== RESTART: D:/balaji ibm/assignment2.py =====
ALERT!!! Detected temperature is: 86°C, Detected Humidity is: 92
ALERT!!! Detected temperature is: 64°C, Detected Humidity is: 20
ALERT!!! Detected temperature is: 19°C, Detected Humidity is: 86
ALERT!!! Detected temperature is: 39°C, Detected Humidity is: 91
ALERT!!! Detected temperature is: 55°C, Detected Humidity is: 40
ALERT!!! Detected temperature is: 84°C, Detected Humidity is: 9
ALERT!!! Detected temperature is: 57°C, Detected Humidity is: 0
ALERT!!! Detected temperature is: 2°C, Detected Humidity is: 61
ALERT!!! Detected temperature is: 60°C, Detected Humidity is: 97
ALERT!!! Detected temperature is: 1°C, Detected Humidity is: 48
ALERT!!! Detected temperature is: 65°C, Detected Humidity is: 9
ALERT!!! Detected temperature is: 10°C, Detected Humidity is: 37
|
```