SMART FARMER – IoT ENABLED SMART FARMER APPLICATION

ASSIGNMENT 2

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1. **Build a python code, Assume u get temperature and humidity values(generated with random function to a variable) and a write a condition to continuously detect alarm in case of high temperature.**
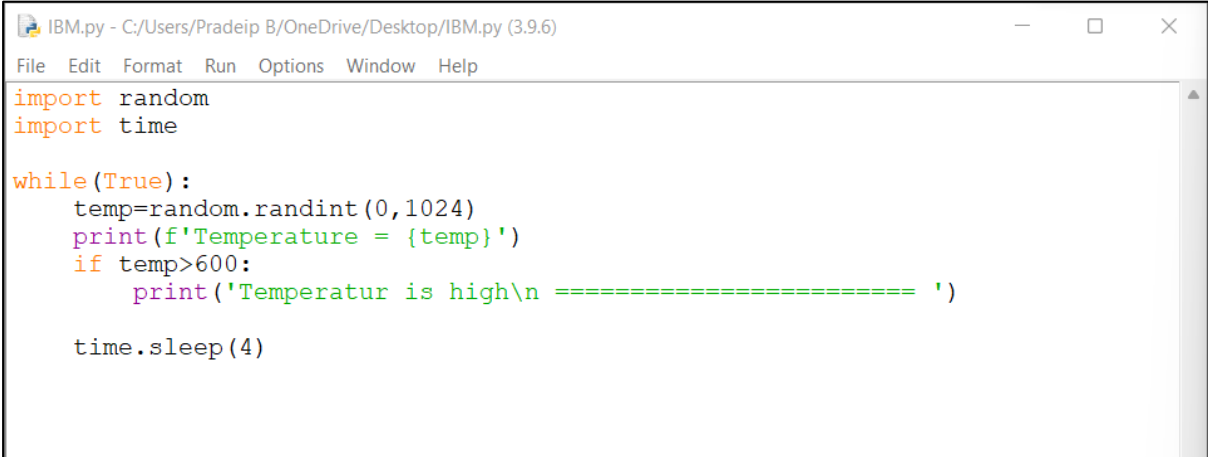
Python Code:

```
import random
import time

while(True):
    temp=random.randint(0,1024)
    print(f'Temperature = {temp}')
    if temp>600:
        print('Temperatur is high\n ======================= ')

    time.sleep(4)
```
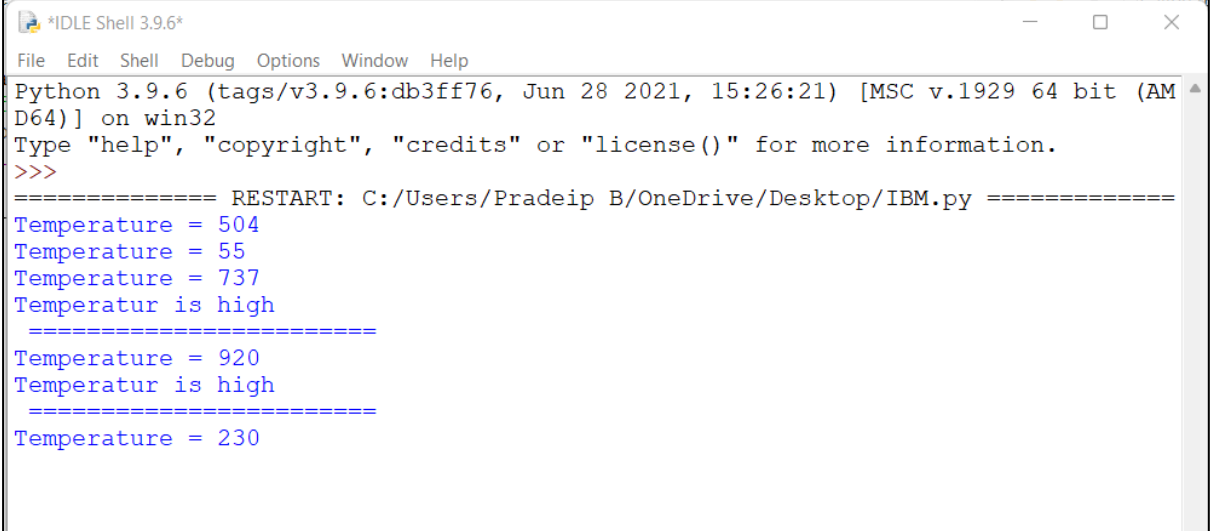
Editor Window:

Output Window:

```
*IDLE Shell 3.9.6*                                                    —    □    ×

File  Edit  Shell  Debug  Options  Window  Help

Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
============== RESTART: C:/Users/Pradeip B/OneDrive/Desktop/IBM.py =============
Temperature = 504
Temperature = 55
Temperature = 737
Temperatur is high
 =======================
Temperature = 920
Temperatur is high
 =======================
Temperature = 230
```