Assignment -2

Smart Home

Assignment Date	19 September 2022
Student Name	AASHIQ . S
Student Roll Number	710619106001
Maximum Marks	2 Marks

Question:

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

Solution

This Python code will get random temperature and humidity values and it makes an alarm of shutting window for 5 times this is the Novelty of this code. I have created my own alarm.

Code:

```
//Libraries

import random

import time


// Getting random Temperature and humidity values

temp=random.randint(0,100)

print("The temperature is:",temp)

humid=random.randint(0,50)

print("The humidity is:",humid,"%")


//Conditional statements

if temp>50:

    print("high Temperature")
```

```python
    for i in range(5): // alarm generation

        time.sleep(1)

        print("\a")

else:

    print("Normal")

if humid>25:

    print("High Humid")

    for i in range(5): // alarm generation

        time.sleep(1)

        print("\a")

else:

    print("Normal")
```

Output:


```
IDLE Shell 3.10.6                                        —    □    ×
File   Edit   Shell   Debug   Options   Window   Help
    Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug  1 2022, 21:53:49) [MSC v.1932 64 bit (
    AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ========== RESTART: C:/Users/ABIJAI KT/OneDrive/Desktop/Assignment.py ==========
    The temperature is: 97
    The humidity is: 40 %
    high Temperature
    
    
    
    
    
    High Humid
    
    
    
    
    
>>>
```