

Pre-requisite PYTHON SOFTWARE

Date	11 October 2022
Team ID	PNT2022TMID52223
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

The screenshot displays a Windows desktop environment. At the top, a 'Python 3.7.0 Shell' window is open, showing the Python 3.7.0 version information and the prompt '>>>'. Below it, a 'code 3.py - E:/code 3.py (3.7.0)' window is open, displaying a Python script. The script is a loop that generates random temperature and humidity values and prints alarm status based on thresholds. A smaller 'Python 3.7.0 Shell' window is also open, showing the output of the script, which includes messages like 'temperature is normal alarm is off' and 'humidity is high alarm is on'. The Windows taskbar at the bottom shows the time as 7:54 AM on 11/12/2022. The system tray includes icons for network, volume, and power. The Windows search bar is visible on the left side of the taskbar.

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>

code 3.py - E:/code 3.py (3.7.0)
File Edit Format Run Options Window Help
import time
import random
i=0
while (i<=2000):
    i=i+1
    time.sleep(5)
    temp=random.randint(0,30)
    humid=random.randint(1,100)
    if temp<=15:
        print("temperature is high alarm is on")
    else:
        print("temperature is normal alarm is off")
    if humid<=15:
        print("humidity is normal alarm is off")
    else:
        print("humidity is high alarm is on")

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/code 3.py =====
temperature is normal alarm is off
humidity is high alarm is on
temperature is high alarm is on
humidity is high alarm is on
temperature is high alarm is on
humidity is high alarm is on
|
```