ASSIGNMENT-2

Date	24-09-2022
Team ID	PNT2022TMID10305
Project Name	Smart Farmer – IOT Enabled Smart Farming Application

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

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CODE:

```python
#importing random function
import random


# Generating random Temperature data.
Temperature = random.sample(range(0, 120), 10)
print("Temperature data = ", Temperature)


# Generating random Humidity data.
Humidity = random.sample(range(40, 90), 10)
print("Humidity data = ", Humidity)


#Condition to Detect Alarm.
for i in Temperature:
    if(i>80):
        print(f"{i} Exceeds Normal temperature. Alarm Detected")
```

```python
import random

Temperature = random.sample(range(0, 120), 10)
print("Temperature data = ", Temperature)
Humidity = random.sample(range(40, 90), 10)
print("Humidity data = ", Humidity)

for i in Temperature:
    if(i>80):
        {
        print(f"{i} Exceeds Normal temperature. Alarm Detected")
        }
```

```
Temperature data =  [36, 113, 33, 0, 109, 110, 30, 78, 16, 90]
Humidity data =  [84, 76, 82, 50, 65, 66, 44, 75, 56, 68]
113 Exceeds Normal temperature. Alarm Detected
109 Exceeds Normal temperature. Alarm Detected
110 Exceeds Normal temperature. Alarm Detected
90 Exceeds Normal temperature. Alarm Detected


...Program finished with exit code 0
Press ENTER to exit console.
```