ASSIGNMENT-2

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# SMART FARMER (IOT)

**PROGRAM**

import random #random function

temp=random.randint(1,100)

humty=random.randint(1,100)

print(temp)#temperature value

print(humty)#hmidity value

if ((temp<30)&(humty<50)):

   print("temperature is normal :")

   print("humidity is normal:")

   print("alaram off")

elif((temp<30)&(humty>50)):

   print("temperature is low")

   print("humidity is high")

   print("alaram off")

elif((temp>30) & (humty<50)):

```python
    print("temperature is high:")
    print("humidity is normal")
    print("alaram on")
elif((temp>30) & (humty<60)):
    print("temperature is high")
    print("humidity is normal:")
    print("alaram on")
elif((temp>30) & (humty>60)):
    print("temperature is high")
    print("humidity is high")
    print("alaram on")
```

**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: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    53
    29
    temperature is high:
    humidity is normal
    alaram on
>>>
    = RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    27
    78
    temperature is low
    humidity is high
    alaram off
>>>
    = RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    39
    1
    temperature is high:
    humidity is normal
    alaram on
>>>
    = RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    18
    47
    temperature is normal :
    humidity is normal:
    alaram off
>>>
    = RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    53
    24
    temperature is high:
    humidity is normal
    alaram on
>>>
    = RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
    6
    57
    temperature is low
```