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BATCH: B1-1M3E

ASSIGNMENT-2

(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.)

PYTHON CODE:

```python
import random

while True:
    t=random.randint(30,100)
    h=random.randint(50,100)
    print("------------------------------------")
    if t>30:
        print("High temperature detetcted")
        print("Buzzer on,alarm sound is high")
    elif t==30:
        print("Temprature reached maximum thershold of 30 degrees celsius")
    else:
        print("Temperature is good")
#for Humidity
    if h>65 :
        print("High humidity detetcted")
        print("Buzzer on,alarm sound is high")
    elif t == 65:
```

```
        print("Humidity reached maximum thershold of 65 percent")
    else:

        print("Humidity is good")
```

assignment 2-Sugapriya.py - C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/assignment 2-Sugapriya.py (3.10.7)

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```python
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while True:
    t=random.randint(30,100)
    h=random.randint(50,100)
    print("-------------------------------------")
    if t>30:
        print("High temperature detetcted")
        print("Buzzer on,alarm sound is high")
    elif t==30:
        print("Temprature reached maximum thershold of 30 degrees celsius")
    else:
        print("Temperature is good")
#for Humidity
    if h>65 :
        print("High humidity detetcted")
        print("Buzzer on,alarm sound is high")
    elif t == 65:
        print("Humidity reached maximum thershold of 65 percent")
    else:
        print("Humidity is good")
```

OUTPUT:

```
Buzzer on,alarm sound is high
-------------------------------------
High temperature detetcted
Buzzer on,alarm sound is high
Humidity is good
-------------------------------------
High temperature detetcted
Buzzer on,alarm sound is high
Humidity is good
-------------------------------------
High temperature detetcted
Buzzer on,alarm sound is high
Humidity is good
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Buzzer on,alarm sound is high
High humidity detetcted
Buzzer on,alarm sound is high
-------------------------------------
High temperature detetcted
Buzzer on,alarm sound is high
High humidity detetcted
Buzzer on,alarm sound is high
-------------------------------------
```