Assignment -2
Python Programming

Assignment Date	24 September 2022
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1.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:


```
import random def
temperature():
value=random.randint(25,100)
return value
t=temperature() t=int(input("Enter the
temperature value"))

def humidity():
    range=random.randint(40,100)
    return range
h=humidity() h=int(input("Enter the
humidity value"))

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")
```

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```python
import random
def temperature():
    value=random.randint(25,100)
    return value
t=temperature()
t int(input("Enter the temperature value"))

def humidity():
    range=random.randint(40,100)
    return range
h=humidity()
h int(input("Enter the humidity value"))

if t>30:
    print("High temperature deteitced")
    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 deteitced")
    print("Buzzer on,alarm sound is high")
elif t == 65:
    print("Humidity reached maximum thershold of 65 percent")
else:
    print("Humidity is good")
```

Ln: 29 Col: 29

31°C
Haze
ENG IN
19:46
23-09-2022

IDLE Shell 3.10.5

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```
Python 3.10.5 (tags/v3.10.5:f377153, Jun  6 2022, 16:14:13) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:/Users/balaa/AppData/Local/Programs/Python/Python310/IBMPY.py ===
Enter the temperature value33
Enter the humidity value44
High temperature deteitced
Buzzer on,alarm sound is high
Humidity is good
>>>
```

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