

Python code for buzzer indication:

ibm_assignment.py - C:\Users\Nishanth G\AppData\Local\Programs\Python\Python310\ibm_assignment.py (3.10.6)

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```
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"))

#for temperature
if(t>30):
    print("high temperature is detected")
    print("buzzer on,alarm sound is high")
elif(t==30):
    print("temperature reached maximum")
else:
    print("temperature is good")

#for humidity
if(h>65):
    print("high humidity is detected")
    print("buzzer on,alarm sound is high")
elif(h==65):
    print("humidity reached maximum")
else:
    print("humidity is good")
```



IDLE Shell 3.10.6

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Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit
Type "help", "copyright", "credits" or "license()" for more information.

>>>

```
= RESTART: C:\Users\Nishanth G\AppData\Local\Programs\Python\Python310\ibm_assi
enter the temperature value30
enter the humidity value65
temperature reached maximum
humidity reached maximum
```

>>>

```
= RESTART: C:\Users\Nishanth G\AppData\Local\Programs\Python\Python310\ibm_assi
enter the temperature value36
enter the humidity value70
high temperature is detected
buzzer on,alarm sound is high
high humidity is detected
buzzer on,alarm sound is high
```

>>>

