

```
import random
temperature=(random.random())*100
Humidity=(random.random())*100
roundedTemp=round(temperature)
roundedHumi=round(Humidity)
print("The temperature is",roundedTemp)

if roundedTemp>30:
    print("temperature is high")
else:
    print("temperature is low")
temperature=(random.random())*100
roundedTemp=round(temperature)
print("The Humidity is",roundedHumi)

if roundedHumi>30:
    print("Humidity is high")
else:
    print("Humidity is low")
```

Temperature Humidity Sensing

Code:

```
sample.py · C:\Users\ELCOT\AppData\Local\Programs\Python\Python39\sample.py (3.9.6)
File Edit Format Run Options Window Help

import random
temperature=(random.random()*100)
Humidity=(random.random()*100)
roundedTemp=round(temperature)
roundedHumi=round(Humidity)
print("The temperature is",roundedTemp)

if roundedTemp>30:
    print("temperature is high")
else:
    print("temperature is low")
temperature=(random.random()*100)
underTemp=round(temperature)
print("The Humidity is",roundedHumi)

if roundedHumi>30:
    print("Humidity is high")
else:
    print("Humidity is low")
```

Outputs:

```
IDLE Shell 3.9.6
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Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python39\sample.py ===
The temperature is 99
temperature is high
The Humidity is 86
Humidity is high
>>>
=== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python39\sample.py ===
The temperature is 97
temperature is high
The Humidity is 23
Humidity is low
>>>
=== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python39\sample.py ===
The temperature is 36
temperature is high
The Humidity is 83
Humidity is high
>>> |
```