IoT Assignment 2

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Build python code, Generate Temperature and Humidity values (use Random function to generate values) and write a condition to detect an alarm in case of high temperature and high humidity.

CODE:

Main.py

```
import random
TEMP_THRESHOLD=85#degrees Celcius
HUMIDITY_THRESHOLD=45#percent
temperature=random.uniform(0,100)
print("Temperature:",temperature)
humidity=random.uniform(0,100)
print("Humidity:",humidity)
if temperature>TEMP_THRESHOLD:
   print("High temperature alarm!")
if humidity>HUMIDITY_THRESHOLD:
   print("High Humidity alarm!")
```

OUTPUT:

```
Temperature: 96.30562151393542
Humidity: 20.76406982515129
High temperature alarm!
```

PROGRAM:

assignment2.py - C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\assignment2....

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```
import random
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HUMIDITY_THRESHOLD=45#percent
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print("Temperature:",temperature)
humidity=random.uniform(0,100)
print("Humidity:",humidity)
if temperature>TEMP_THRESHOLD:
    print("High temperature alarm!")
if humidity>HUMIDITY_THRESHOLD:
    print("High Humidity alarm!")
```

OUTPUT: