

THIRUNAVUKKARASU.P

732720121036

```
# Set the threshold values for temperature and humidity
TEMP_THRESHOLD = 30
# degrees Celsius
HUMIDITY_THRESHOLD = 30 # percent
# Generate a random temperature value between 0 and 100 degrees Celsius
import random
temperature = random.uniform(0, 100)
print("Temperature:", temperature)
# Generate a random humidity value between 0 and 100 percent
humidity = random.uniform(0, 100)
print("Humidity:", humidity)
# Check if either temperature or humidity is above the threshold
if temperature > TEMP_THRESHOLD:
    print("High temperature alarm!")
if humidity > HUMIDITY_THRESHOLD:
    print("High humidity alarm!")
```

main.py



Run

Shell

Clear

```
1  # Set the threshold values for temperature
   and humidity
2  TEMP_THRESHOLD = 30
3  # degrees Celsius
4  HUMIDITY_THRESHOLD = 30 # percent
5  # Generate a random temperature value between 0
   and 100 degrees Celsius
6  import random
7  temperature = random.uniform(0, 100)
8  print("Temperature:", temperature)
9  # Generate a random humidity value between 0 and
   100 percent
10 humidity = random.uniform(0, 100)
11 print("Humidity:", humidity)
12 # Check if either temperature or humidity is
   above the threshold
13 if temperature > TEMP_THRESHOLD:
14     print("High temperature alarm!")
15     if humidity > HUMIDITY_THRESHOLD:
16         print("High humidity alarm!")
17
```

```
Temperature: 5.786040314662511
Humidity: 77.4460669813062
>
```