



```
Enter Threshold Temperature(Range 0,50):10
Random Temperature: 22
Random Temp: 22 higher than 10 (Threshold Temperature)
Enter 1 to Repeat:1
Random Temperature: 16
Random Temp: 16 higher than 10 (Threshold Temperature)
Enter 1 to Repeat:1
Random Temperature: 32
Random Temp: 32 higher than 10 (Threshold Temperature)
Enter 1 to Repeat:
```

WOKWI

main.py diagram.json

```
1 import random
2 threshold = int(input("Enter Threshold Temperature(Range 0,50):"))
3 a=1
4 while(a):
5     val=random.randint(0,50)
6     print("Random Temperature: ",val)
7     if val>threshold:
8         print("Random Temp:",val,"higher than",threshold,"(Threshold Temperature)")
9     elif threshold>val:
10        print("Random Temp:",val,"less than",threshold,"(Threshold Temperature)")
11    else:
12        print("Random Temp:",val,"equals to",threshold,"(Threshold Temperature)")
13    a=int(input("Enter 1 to Repeat:"))
14
```

Simulation

ESP32 DHT22

Enter Threshold Temperature(Range 0,50):10  
Random Temperature: 22  
Random Temp: 22 higher than 10 (Threshold Temperature)  
Enter 1 to Repeat:1  
Random Temperature: 16  
Random Temp: 16 higher than 10 (Threshold Temperature)  
Enter 1 to Repeat:1  
Random Temperature: 32  
Random Temp: 32 higher than 10 (Threshold Temperature)  
Enter 1 to Repeat:

Type here to search

36°C

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