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Python 370 Shelf
File Edit Shell Debug Options Window Help

Camperature is: 12:273
humidity is: 1.22 %

HIGH ALERT

Humidity slarm and Temperature alarm are ON

temperature is: 86.82
humidity is: 34.12 %

Humidity slarm is OFF and Temperature alarm is ON

temperature is: 56.61
humidity is: 24.07 %

HIGH ALERT

Humidity slarm and Temperature alarm are ON

temperature is: 79.45
humidity is: 15.47 %

HIGH ALERT

Humidity alarm and Temperature alarm are ON

temperature is: 11.76
humidity alarm and Temperature alarm are ON

temperature is: 11.76
humidity is: 22.45 %

Humidity alarm is ON and Temperature alarm is OFF

temperature is: 9.15
humidity is: 16.80 % and Temperature alarm is OFF

temperature is: 77.94
humidity is: 77.94
humidity is: 35.22 %

Shmidity alarm is ON and Temperature alarm is OFF

temperature is: 77.94
humidity is: 35.22 %

Shmidity alarm is OFF and Temperature alarm is OFF

temperature is: 77.94
humidity is: 35.22 %

Shmidity alarm is OFF and Temperature alarm is OFF

temperature is: 77.94
humidity is: 35.22 %

Shmidity alarm is OFF and Temperature alarm is OFF

temperature is: 77.94
humidity alarm is OFF and Temperature alarm is OFF
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File Edit Format Run Options Window Help
import random
import time
threshl=int(input("Enter the threshold value for temperature:"))
thresh2=int(input("Enter the threshold value for humidity:"))
tp=0
while (True):
   temp=random.uniform(1,100)
   humidity=random.uniform(1,50)
   print("temperature is : (0:.2f)".format(temp))
    print("humidity is : [0:.2f] %".format(humidity))
    time.sleep(1)
    if temp>=thresh1 and humidity<=thresh2:
        tp=1
       hu=1
        print("\nHIGH ALERT\nHumidity alarm and Temperature alarm are ON \n")
        time.sleep(2)
    elif humidity<=thresh2:
        tp=0
        hu=1
       print("\nHumidity alarm is ON and Temperature alarm is OFF \n")
        time.sleep(2)
    elif temp>=thresh1:
        tp=1
       print("\nHumidity alarm is OFF and Temperature alarm is ON \n")
        time.sleep(2)
    else:
        tp=0
        hu=0
       print("\nBoth alarms are OFF \n")
        time.sleep(2)
```

诸 assignment.py – C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/assignment.py (3.7.0)