

assignment.py - C:\Users\ELCOT\Music\assignment.py (3.7.3)

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import random

#Set the threshold values for temperature and humidity  
TEMP\_THRESHOLD=85 # degrees Celsius  
HUMIDITY\_THRESHOLD=45 # percent

#Generate a random temperature value between 0 and 100 degrees Celsius  
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!")  
elif humidity>HUMIDITY\_THRESHOLD:  
 print("High humidity alarm!")

[Python 3.7.3 Shell]

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Python 3.7.3 (tags/v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>

----- RESTART: C:\Users\ELCOT\Music\assignment.py -----

Temperature: 70.5060631402958

Humidity: 75.3422080054927

>>>

----- RESTART: C:\Users\ELCOT\Music\assignment.py -----

Temperature: 77.9039792399432

Humidity: 50.044524708000278

>>>

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06:45  
10-05-2023