**IBM ASSIGNMENT 2 - TO GET TEMPERATURE AND HUMIDITY VALUES AND DETECT ALARM INCASE OF HIGH TEMPERATURE.**

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import random

temp=random.uniform(0,50)

#by using random.uniform function a random float value will be generated for temp for

#example:25.718184973594976

print("TEMPERATURE:",temp)

temp=round(temp, 2)

#by using round of function the decimal points in the temp will be reduced for example:25.7

print("TEMPERATURE:",temp)

#by using if condtion & elif condition the temp level is observed

if(temp<=0):

print("very cold")

elif(temp<=20):

print("cold")

elif(temp<=30):

print("Room temp")

elif(temp<=45):

print("hot")

else:

print("very hot alarm will be on")

humidity=random.randint(0,100)

#by using random.randint function a random int value will be generated for humidity for example:55

print ("HUMIDITY:",humidity)

#by using if condtion & elif condition the humidity level is observed

if(humidity==0):

print("no humidity")

elif(humidity<=50):

print("humidity is low")

else:

print("humidity is high alarm will be on")

**OUTPUT:**

TEMPERATURE: 5.14227964069941

TEMPERATURE: 5.14

cold

HUMIDITY: 75

humidity is high alarm will be on