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
```