

ASSIGNMENT-2

Name: S.L.Dhanusha

Register Number: 811519106031

Question:

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature

PROGRAM

Import random

While(True):

temp=random.randint(10,99)

humid=random.randint(10,99)

print("current temperature : ", temp)

print("current humidity : ", humid,"%")

temp_ref=60

humid_ref=37

if temp>temp_ref and humid<humid_ref:

print("sound alarm")

else :

print("sound off")

break

Schematic Output:

<div>Temp and Humidity.py - C:/Users/kgbar/Temp and Humidity.py (3.8.10)</div> <div>File Edit Format Run Options Window Help</div> <pre>import random while(True): temp=random.randint(10,99) humid=random.randint(10,99) print("Current temperature:",temp) print("Current humidity:",humid, "%") temp_ref=60 humid_ref=37 if temp>temp_ref and humid<humid_ref: print("Sound alarm") else: print("Sound off") break</pre> <div>Ln: 9 Col: 15</div>	<div>IDLE Shell 3.8.10</div> <div>File Edit Shell Debug Options Window Help</div> <pre>Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> ===== RESTART: C:/Users/kgbar/Temp and Humidity.py ===== current temperature: 43 current humidity: 67 % Sound off >>> </pre> <div>Ln: 8 Col: 4</div>
---	---