

Problem Statement :

IoT-Based Safety Gadgets for Child Safety
Monitoring and Notification,

Domain :

Internet of Things

Assignment 2 :

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.

By,

SANGEETHA-720819106088

Team id : PNT2002TMID10533

PYTHON CODE:

```
import os
import random
for i in range (30,80):
    h=random.randint(
65,75)
    t=random.randint(
35,40)
    temp = t
    humidity = h
    print (t)
    print (h)
    if (humidity >=75
or temp >=40):
        print ("! ! HIGH ALERT !
!")
    else:
        print("LOW")
```

INPUT :

```
ibm.py - C:/Users/aswin/AppData/Local/Programs/Python/Python39/ibm.py (3.9.7)
File Edit Format Run Options Window Help
import random
import os
for i in range(30,80):
    h=random.randint(65,75)
    t=random.randint(35,40)
    temp= t
    humidity=h
    print(t)
    print(h)
    if(humidity>=75 or temp>=40):
        print("!! HIGH ALERT !!")
    else:
        print("LOW")
|
```

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OUTPUT:

```
IDLE Shell 3.9.7
File Edit Shell Debug Options Window Help
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/aswin/AppData/Local/Programs/Python/Python39/ibm.py =====
40
70
!! HIGH ALERT !!
37
70
LOW
37
66
LOW
38
72
LOW
40
68
!! HIGH ALERT !!
39
75
!! HIGH ALERT !!
35
68
LOW
38
71
LOW
38
72
LOW
37
74
LOW
36
75
!! HIGH ALERT !!
36
70
LOW
40
70
!! HIGH ALERT !!
40
74
!! HIGH ALERT !!
35
```

Ln: 307 Col: 4