Problem Statement :

SIGNS WITH SMART CONNECTIVITY FOR BETTER
ROAD SAFETY

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.

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PYTHON CODE:

```python
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)

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```python
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("! ! HIGJ ALERT ! !")

    else:

        print("LOW")
```

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OUTPUT:

IDLE Shell 3.9.7

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```
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
! ! HIGJ ALERT ! !
37
70
LOW
37
66
LOW
38
72
LOW
40
68
! ! HIGJ ALERT ! !
39
75
! ! HIGJ ALERT ! !
35
68
LOW
38
71
LOW
38
72
LOW
37
74
LOW
36
75
! ! HIGJ ALERT ! !
36
70
LOW
40
70
! ! HIGJ ALERT ! !
40
74
! ! HIGJ ALERT ! !
35
```

Ln: 307 Col: 4

```python
import random
import os
for i in range(30,80):
    h=random.randint(65,75)
    t=random.randint(35,40)
```