

ASSIGNMENT DATE	22 SEPTEMBER 2022
STUDENT NAME	R.KEERTHANA
STUDENT ROLL NUMBER	211419106131
MAXIMUM MARKS	2 MARKS

Python code:

```
import random

from time import *

item=True

while(item):

    t=random.randint(0,50)

    h=random.randint(10,50)

    if t>45 and h<40:

        print("Temperature=",t,"Humidity=",h)

        print("ALARM ON")

        item=False

    else:

        print("Temperature=",t,"Humidity=",h)

        sleep(1)
```

Output:

```
Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Lenovo/AppData/Local/Programs/Python/Python37/python1.py =
Temperature= 0 Humidity= 26
Temperature= 28 Humidity= 24
Temperature= 28 Humidity= 23
Temperature= 16 Humidity= 19
Temperature= 17 Humidity= 24
Temperature= 10 Humidity= 30
Temperature= 24 Humidity= 27
Temperature= 15 Humidity= 30
Temperature= 9 Humidity= 16
Temperature= 7 Humidity= 15
Temperature= 9 Humidity= 21
Temperature= 9 Humidity= 15
Temperature= 29 Humidity= 14
ALARM ON
>>>
```

Ln: 19 Col: 4

87°F Rain coming

ENG IN 10:35 27-09-2022