

Assignment -2

Assignment Date	25 September 2022
Student Name	Mr.W.Merunraj
Student Roll Number	821919104012
Maximum Marks	2 Marks

Question:

Build a python code, Assume you 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.

Solution:

```
import random
from time import *
gate =True
while(gate==True):
    Temperature = random.randint(0,100)
    Humidity = random.randint(0,100)
    if Temperature>45 and Humidity<40:
        print("Temperature = ",Temperature,"Humidity = ",Humidity)
        print("Alarm Ringing")
        gate =False
    else:
        print("Temperature = ",Temperature,"Humidity = ",Humidity)
        sleep(1);
```

Output:

```
Temperature = 35 Humidity = 58
Temperature = 15 Humidity = 98
Temperature = 59 Humidity = 87
Temperature = 59 Humidity = 38
Alarm Ringing
> |
```