

Assignment -2

Assignment Date	25 September 2022
Student Name	Mr.J.Justin raj
Student Roll Number	821919104007
Maximum Marks	2 Marks

Question-1:

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):
    Temp = random.randint(0,100)
    Humid = random.randint(0,100)
    if Temp>75 and Humid<55:
        print("Temperature = ",Temp,"Humidity = ",Humid)
        print("Alarm Rings")
        break
    else:
        print("Temperature = ",Temp,"Humidity = ",Humid)
        sleep(1);
```

Output:

```
Temperature = 66 Humidity = 55
Temperature = 20 Humidity = 89
Temperature = 34 Humidity = 67
Temperature = 20 Humidity = 25
Temperature = 74 Humidity = 65
Temperature = 2 Humidity = 72
Temperature = 6 Humidity = 4
Temperature = 36 Humidity = 43
Temperature = 32 Humidity = 22
Temperature = 45 Humidity = 79
Temperature = 41 Humidity = 78
Temperature = 24 Humidity = 75
Temperature = 68 Humidity = 72
Temperature = 0 Humidity = 91
Temperature = 100 Humidity = 83
Temperature = 92 Humidity = 61
Temperature = 98 Humidity = 48
Alarm Rings
```