

Assignment -2

Assignment Date	25 September 2022
Student Name	Mr.D.Karan
Student Roll Number	821919104008
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==True):
    Temperature = random.randint(0,50)
    Humidity = random.randint(0,50)
    if Temperature>35 and Humidity<35:
        print("Temperature = ",Temperature,"Humidity = ",Humidity)
        print("Alarm Turned On")
        gate =False
    else:
        print("Temperature = ",Temperature,"Humidity = ",Humidity)
        sleep(2);
```

Output:

```
Temperature = 28 Humidity = 15
Temperature = 43 Humidity = 14
Alarm Turned On
> |
```