## **ASSIGNMENT 2**

## **PYTHON CODE**

Baranivasan P

412719104006

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.

```
import random
from time import *
gate=True
while(gate):
  t = random.randint(0,50)
  h = random.randint(10,50)
  if t>45 and h<40:
    print("Temperature =",t,"Humidity =",h)
    print("ALARM ON")
    gate=False
  else:
    print("Temperature =",t,"Humidity",h)
  sleep(1);
.....
OUTPUT:
Temperature = 27 Humidity 38
Temperature = 36 Humidity 39
Temperature = 23 Humidity 40
Temperature = 24 Humidity 25
Temperature = 10 Humidity 40
Temperature = 17 Humidity 30
Temperature = 17 Humidity 35
```

## **Temperature = 48 Humidity = 16**

## **ALARM ON**

111111

```
Description of the property of
```