VSB Engineering College, Karur-639111

Department of Electronics and Communication Engineering

IOT Assignment

Topic : Assignment on temperature and humidity sensing and alarm automation using python

Name: Arun N

Code:-

```python
import random
while(True):
    t1=random.randint(10,99)
    t2=random.randint(10,99)
    if(t1>35 and t2>60):
        print("high temperature and humidity deducted: ",t1,t2," - Alarm turned ON")
    elif(t1<35 and t2<60):
        print("back to temperature and humidity : ",t1,t2," - Alarm turned OFF")
        break
```

OUTPUT:

```python
import random
while(True):
    t1=random.randint(10,99)
    t2=random.randint(10,99)
    if(t1>35 and t2>60):
        print("high temperature and humidity deducted: ",t1,t2," - Alarm
            turned ON")
    elif(t1<35 and t2<60):
        print("back to temperature and humidity : ",t1,t2," - Alarm turned
            OFF")
        break
```

```
high temperature and humidity deducted:  85 69  - Alarm turned ON
high temperature and humidity deducted:  63 67  - Alarm turned ON
high temperature and humidity deducted:  91 90  - Alarm turned ON
high temperature and humidity deducted:  52 84  - Alarm turned ON
high temperature and humidity deducted:  47 66  - Alarm turned ON
high temperature and humidity deducted:  38 77  - Alarm turned ON
high temperature and humidity deducted:  44 99  - Alarm turned ON
high temperature and humidity deducted:  75 98  - Alarm turned ON
high temperature and humidity deducted:  91 97  - Alarm turned ON
back to temperature and humidity :  32 46  - Alarm turned OFF
>
```