

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

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Code:-

```
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:




main.py




JS





Run



Clear

```
1 import random
2 while(True):
3     t1=random.randint(10,99)
4     t2=random.randint(10,99)
5     if(t1>35 and t2>60):
6         print("high temperature and humidity deducted: ",t1,t2," - Alarm
          turned ON")
7     elif(t1<35 and t2<60):
8         print("back to temperature and humidity : ",t1,t2," - Alarm turned
          OFF")
9         break
10
```

Shell

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
>