

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):
a=random.randint(10,99)
b=random.randint(10,99)
if(a>35 and b>60):
    print("high temperature and humidity of:",a,b,"%","alarm is on")
elif(a<35 and b<60):
    print("Normal temperature and humidity of:",a,b,"%","alarm is off")
    break
```

OUTPUT:

Online C Compiler - online editor

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onlinegdb.com/online_c_compiler

OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
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main.py

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temperature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temperature and humidity of:",a,b,"%","alarm is off")
9     break
10
```

Input

```
high temperature and humidity of: 68 81 % alarm is on
high temperature and humidity of: 91 67 % alarm is on
high temperature and humidity of: 41 90 % alarm is on
high temperature and humidity of: 64 96 % alarm is on
high temperature and humidity of: 55 73 % alarm is on
Normal temperature and humidity of: 11 32 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```

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