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:

```python
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
```

```
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 98 % 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.
```