V S B ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

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ASSIGNMENT 2

Name : Gokulraj P

Assignment:

Build a python code, Assume you get a temperature and humidity values (generated with random function to a variable) and write a condition to detect alarm in case of high temperature.

Code:

```python
import random

while(True):

  temp=random.randint(10,99)

  humid=random.randint(10,99)


  print("current temperature:",temp)

  print("current humidity:",humid,"%")


  temp_ref=37

  humid_ref=35


  if temp>temp_ref and humid<humid_ref:

    print("Alarm On")
  else:

    print("Alarm off")

    break
```

Output:

```python
import random

while(True):

    temp=random.randint(10,99)
    humid=random.randint(10,99)

    print("current temperature:",temp)
    print("current humidity:",humid,"%")

    temp_ref=37
    humid_ref=35

    if temp>temp_ref and humid<humid_ref:
        print("Alarm On")
    else:
        print("Alarm off")
        break
```

```
current temperature: 54
current humidity: 28 %
Alarm On
current temperature: 54
current humidity: 96 %
Alarm off
```