V S B ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

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ASSIGNMENT 2

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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:

```
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:

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