V S B ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

IBM NALAIYA THIRAN

ASSIGNMENT 2

Name: Dhivakar B

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("AlarmOn")

 else:

        print("Alarmoff")\

        break
```

Output:

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