

**S.A ENGINEERING COLLEGE, CHENNAI**

**Department of Electronics and Communication Engineering**

**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
```