

S.A ENGINEERING COLLEGE,
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
randomwhile(Tr
ue):
    temp=random.randint(10,99)humid=r
andom.randint(10,99)print("currentte
mperature:",temp)print("currenthumi
dity:",humid,"% ")

temp_ref=37h
umid_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
```