S.A ENGINEERINGCOLLEGE,

DepartmentofElectronicsandCommunicationEngineering

ASSIGNMENT2

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Assignment:

Buildapythoncode,Assumeyougetatemperatureandhumidityvalues(generatedwithrandomfunctiontoavariable) andwrite aconditiontodetect alarm incaseof hightemperature.

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
```