ASSIGNMENT-2

Build a python code, Assume u get temperature and humidity values(generated with random function to a variable)and write a condition to continuously detect alarm in case of high temperature.

RAJESWARI S-962719104029

BATCH: B9-3A5E

CODE:

```
import random
i=5
while True:
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b<65):
      print("HIGH TEMPERATURE AND HUMIDITY :",a,b,"%","ALARM IS ON")
    elif(a<35 and b>65):
      print("NORMAL TEMPERATURE AND HUMIDITY :",a,b,"%","ALARAM IS OFF")
    if(i<55):
        i=i+1
        random
    else:
```

break

OUTPUT:

```
Python 3.8.0 Shell                                                                                    —  □  ×
File  Edit  Shell  Debug  Options  Window  Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python38-32\ibm2.py ==
HIGH TEMPERATURE AND HUMIDITY : 84 33 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 44 49 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 27 84 % ALARAM IS OFF
NORMAL TEMPERATURE AND HUMIDITY : 10 74 % ALARAM IS OFF
NORMAL TEMPERATURE AND HUMIDITY : 34 84 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 60 24 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 82 53 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 19 95 % ALARAM IS OFF
NORMAL TEMPERATURE AND HUMIDITY : 16 70 % ALARAM IS OFF
NORMAL TEMPERATURE AND HUMIDITY : 10 68 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 72 10 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 31 91 % ALARAM IS OFF
NORMAL TEMPERATURE AND HUMIDITY : 17 88 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 92 28 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 21 71 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 96 20 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 96 57 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 45 58 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 49 48 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 81 44 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 31 68 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 51 47 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 42 22 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 41 35 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 30 69 % ALARAM IS OFF
HIGH TEMPERATURE AND HUMIDITY : 70 41 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 60 23 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 65 57 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 72 17 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 58 61 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 80 13 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY : 96 57 % ALARAM IS ON
NORMAL TEMPERATURE AND HUMIDITY : 17 72 % ALARAM IS OFF
>>>
                                                                                            Ln: 11  Col: 51
```