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:

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 OF:",a,b,"%","ALARM IS ON")

   elif(a<35 and b>65):

       print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")

   if(i<55):

      i=i+1

     random

  else:

     break
```

```python
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 OF:",
    elif(a<35 and b>65):
        print("NORMAL TEMPERATURE AND HUMIDITY OF:
    if(i<55):
        i=i+1
        random
    else:
        break
```

```
tem.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python38/tem.py (3.8.0)
File  Edit  Format  Run  Options  Window  Help
```

```
Python 3.8.0 Shell
File  Edit  Shell  Debug  Options  Window  Help

Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019,
19:37:50) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license
()" for more information.
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Pro
grams/Python/Python38/tem.py ====
NORMAL TEMPERATURE AND HUMIDITY OF: 14 82 % ALA
RM IS OFF
NORMAL TEMPERATURE AND HUMIDITY OF: 14 87 % ALA
RM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 99 29 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 90 29 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 79 11 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 50 22 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 95 50 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 82 43 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 78 14 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 88 49 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 85 37 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 80 64 % ALARM
IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 21 79 % ALA
RM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 96 64 % ALARM
IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 63 40 % ALARM
IS ON
```