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.

Bala Suresh K -960119104006 BATCH: B2-2M4E

CODE:

```python
import random
i = 5
while True:
    a = random.randint(10,1000)
    b = random.randint(10,1000)

    if(a>35 and b<65):
        print("HIGH TEMPERATURE AND HMIDITY",a,b,"%","ALARM IS ON")
    elif(a<35 and b>65):
        print("NORMAL TEMPRATURE AND HUMIDITY",a,b,"%","ALARM IS OFF")
    if(i<55):
        i=i+1
        random
    else:
        break
import random
i = 5
while True:
    a = random.randint(10,1000)
    b = random.randint(10,1000)

    if(a>35 and b<65):
        print("HIGH TEMPERATURE AND HMIDITY",a,b,"%","ALARM IS ON")
    elif(a<35 and b>65):
        print("NORMAL TEMPRATURE AND HUMIDITY",a,b,"%","ALARM IS OFF")
    if(i<55):
```

```
        i=i+1
            random
    else:
            break
```

OUTPUT:

```
File  Edit  Selection  View  Go  Run  Terminal  Help          assaign2.py - htmlcss - Visual Studio Code

 <> project.html    # project.css    ◆ assaign2.py X

 C: > Users > Bala > Desktop > final project > ◆ assaign2.py > ...
   1   import random
   2   i = 5
   3   while True:
   4       a = random.randint(10,1000)
   5       b = random.randint(10,1000)
   6
   7       if(a>35 and b<65):
   8           print("HIGH TEMPERATURE AND HMIDITY",a,b,"%","ALARM IS ON")
   9       elif(a<35 and b>65):
  10           print("NORMAL TEMPRATURE AND HUMIDITY",a,b,"%","ALARM IS OFF")
  11       if(i<55):
  12           i=i+1
  13           random
  14       else:
  15           break

 PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL                                        Code + ∨

 Windows PowerShell
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 Try the new cross-platform PowerShell https://aka.ms/pscore6

 PS E:\bala\htmlcss> python -u "c:\Users\Bala\Desktop\final project\assaign2.py"
 HIGH TEMPERATURE AND HMIDITY 61 44 % ALARM IS ON
 HIGH TEMPERATURE AND HMIDITY 701 47 % ALARM IS ON
 NORMAL TEMPRATURE AND HUMIDITY 15 518 % ALARM IS OFF
 HIGH TEMPERATURE AND HMIDITY 800 56 % ALARM IS ON
 PS E:\bala\htmlcss> python -u "c:\Users\Bala\Desktop\final project\assaign2.py"
 HIGH TEMPERATURE AND HMIDITY 692 41 % ALARM IS ON
 HIGH TEMPERATURE AND HMIDITY 184 36 % ALARM IS ON
 HIGH TEMPERATURE AND HMIDITY 289 24 % ALARM IS ON
 HIGH TEMPERATURE AND HMIDITY 740 44 % ALARM IS ON
```