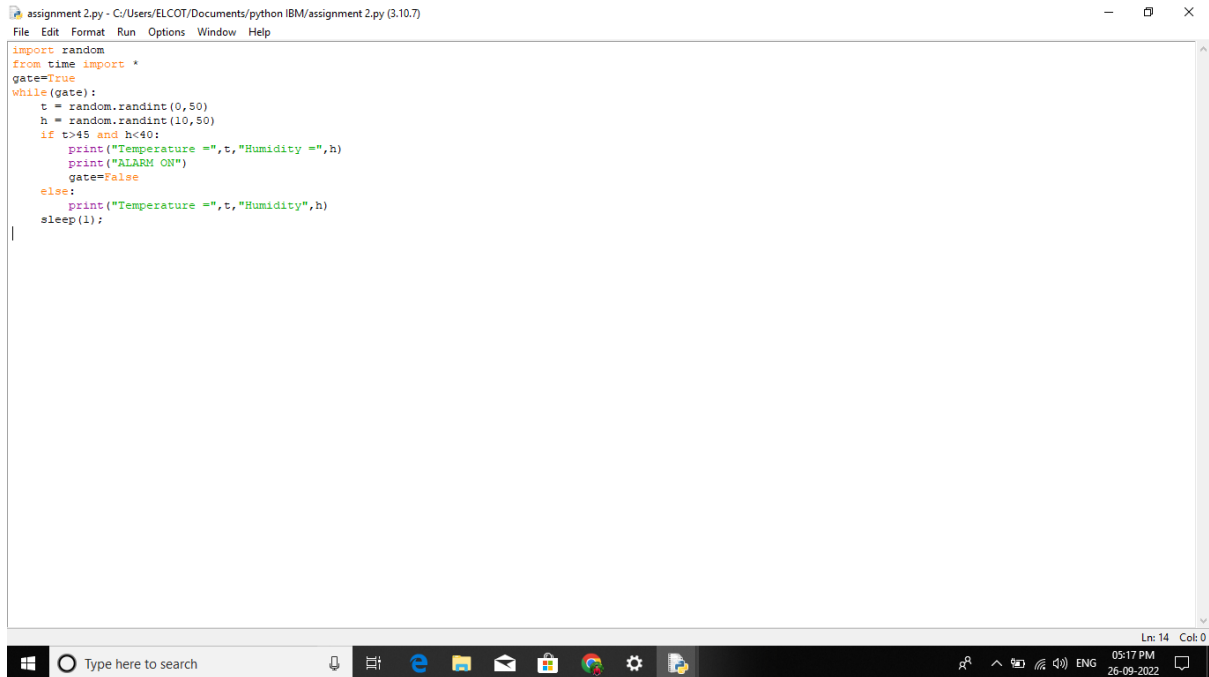


Assignment 2

By Ragul R

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.

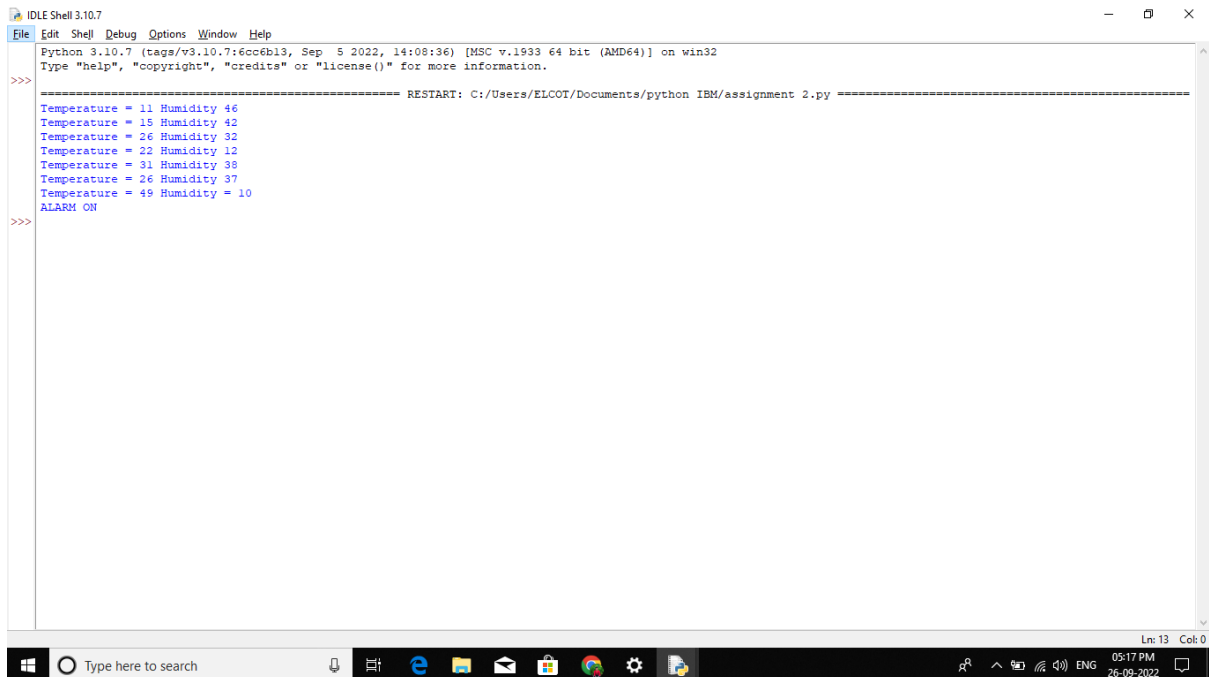
Program:



```
assignment 2.py - C:/Users/ELCOT/Documents/python IBM/assignment 2.py (3.10.7)
File Edit Format Run Options Window Help

import random
from time import *
gate=True
while(gate):
    t = random.randint(0,50)
    h = random.randint(10,50)
    if t>45 and h<40:
        print("Temperature =",t,"Humidity =",h)
        print("ALARM ON")
        gate=False
    else:
        print("Temperature =",t,"Humidity",h)
        sleep(1)
```

Output:



```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:/Users/ELCOT/Documents/python IBM/assignment 2.py =====
Temperature = 11 Humidity 46
Temperature = 15 Humidity 42
Temperature = 26 Humidity 32
Temperature = 22 Humidity 12
Temperature = 31 Humidity 38
Temperature = 26 Humidity 37
Temperature = 49 Humidity = 10
ALARM ON
>>>
```