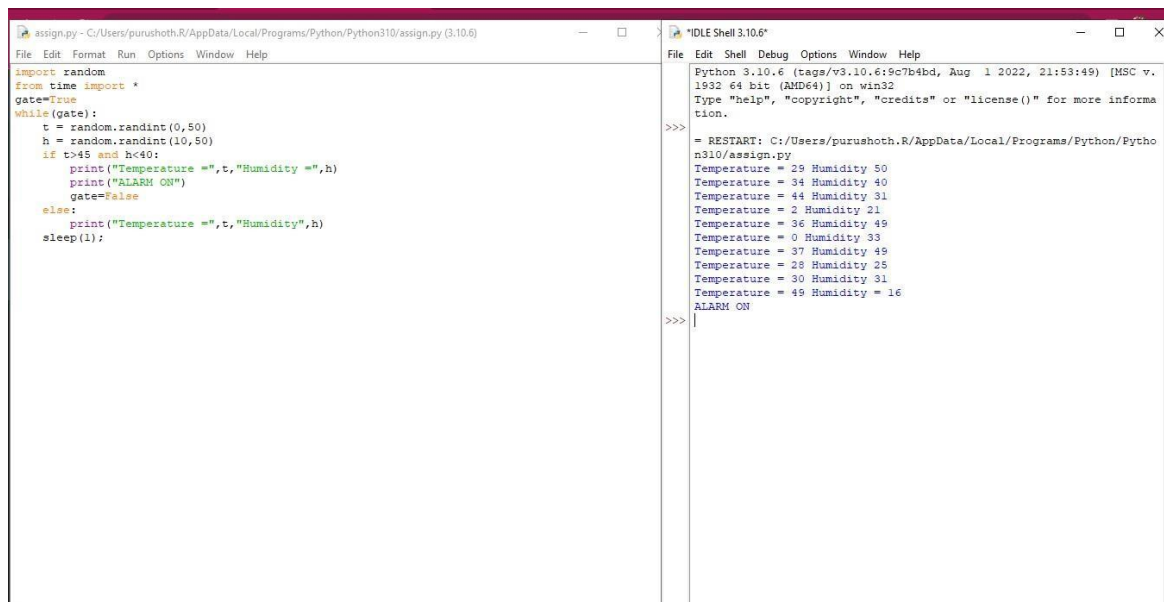


ASSIGNMENT 2 – PYTHON CODE

D.SWETHA

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Build a python code, Assume you 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.



The screenshot displays a Python IDE with two windows. The left window, titled 'assign.py - C:/Users/purushoth.R/AppData/Local/Programs/Python/Python310/assign.py (3.10.6)', contains the following code:

```
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);
```

The right window, titled 'IDLE Shell 3.10.6*', shows the output of the script:

```
>>>
= RESTART: C:/Users/purushoth.R/AppData/Local/Programs/Python/Pytho
n310/assign.py
Temperature = 29 Humidity 50
Temperature = 34 Humidity 40
Temperature = 44 Humidity 31
Temperature = 2 Humidity 21
Temperature = 36 Humidity 49
Temperature = 0 Humidity 33
Temperature = 37 Humidity 49
Temperature = 28 Humidity 25
Temperature = 30 Humidity 31
Temperature = 49 Humidity = 16
ALARM ON
>>>
```