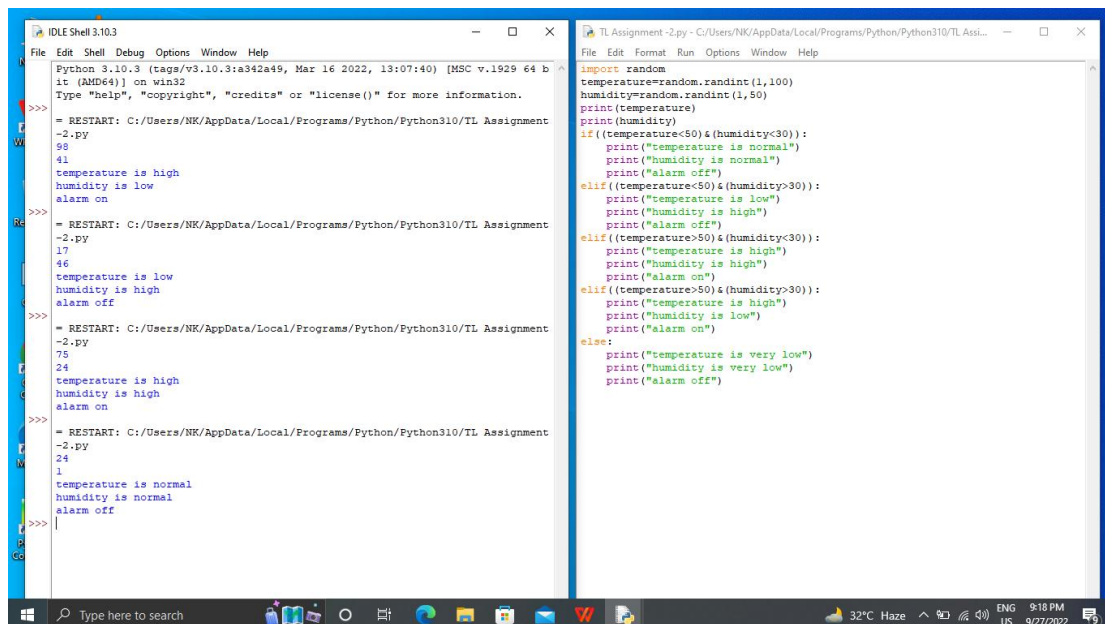


## ASSIGNMENT - 2

### QUESTION:

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 & OUTPUT:



The screenshot displays two windows from the Python IDLE 3.10.3 environment. The left window shows the execution output of a Python script, and the right window shows the source code of the script.

**Left Window (Output):**

```
>>>
= RESTART: C:/Users/NK/AppData/Local/Programs/Python/Python310/TL Assignment
-2.py
98
41
temperature is high
humidity is low
alarm on
>>>
= RESTART: C:/Users/NK/AppData/Local/Programs/Python/Python310/TL Assignment
-2.py
17
46
temperature is low
humidity is high
alarm off
>>>
= RESTART: C:/Users/NK/AppData/Local/Programs/Python/Python310/TL Assignment
-2.py
75
24
temperature is high
humidity is high
alarm on
>>>
= RESTART: C:/Users/NK/AppData/Local/Programs/Python/Python310/TL Assignment
-2.py
24
1
temperature is normal
humidity is normal
alarm off
>>>
```

**Right Window (Code):**

```
import random
temperature=random.randint(1,100)
humidity=random.randint(1,50)
print(temperature)
print(humidity)
if((temperature<50)&(humidity<30)):
    print("temperature is normal")
    print("humidity is normal")
    print("alarm off")
elif((temperature<50)&(humidity>30)):
    print("temperature is low")
    print("humidity is high")
    print("alarm off")
elif((temperature>50)&(humidity<30)):
    print("temperature is high")
    print("humidity is high")
    print("alarm on")
elif((temperature>50)&(humidity>30)):
    print("temperature is high")
    print("humidity is low")
    print("alarm on")
else:
    print("temperature is very low")
    print("humidity is very low")
    print("alarm off")
```

The taskbar at the bottom shows the system clock as 9:18 PM on 9/27/2022, with a weather widget indicating 32°C and Haze.