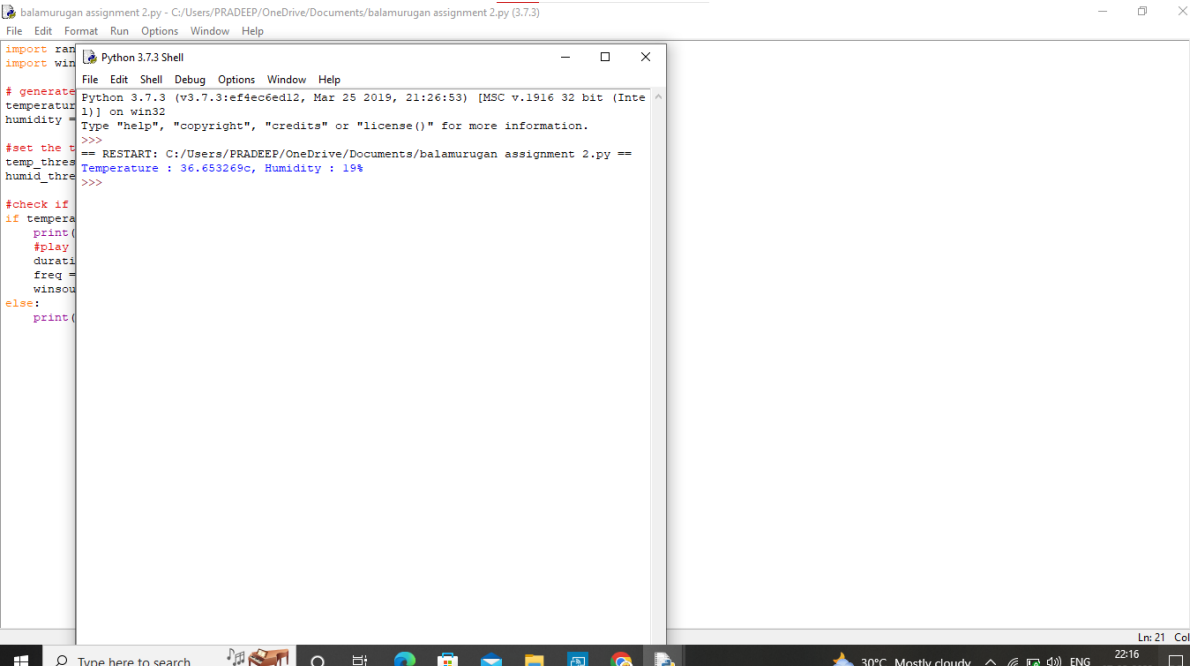# ASSIGNMENT 2:
PYTHON CODE:

```python
import random

import winsound


# generate random temperature and humidity values

temperature = random.uniform(30,40)

humidity = random.randint(0,100)


#set the temperature and humidity thresholds for alarm

temp_threshold = 30 #temperature threshold for the alarm

humid_threshold = 30 # huidity threshold for the alarm


#check if the temperature and humidity are above the thresholds

if temperature > temp_threshold and humidity > humid_threshold:

    print("High temperature and high humidity detected")

    #play alarm sound to alert the user

    duration = 1000  #milliseconds

    freq = 440  #Hz

    winsound.Beep(freq, duration)

else:

    print("Temperature : {:2f}c, Humidity : {}%".format(temperature,humidity))
```