ASSIGNMENT NO:2

Random generation of Temperature and Humidity values.

Done by
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Build python code, Generate Temperature and Humidity values (Use Random function to generate values) and write a condition to detect an alarm in case of high temperature and humidity.
For ex: Temperature is greater than 30C play alarm sound and same for humidity.

SOFTWARE REQUIRED:

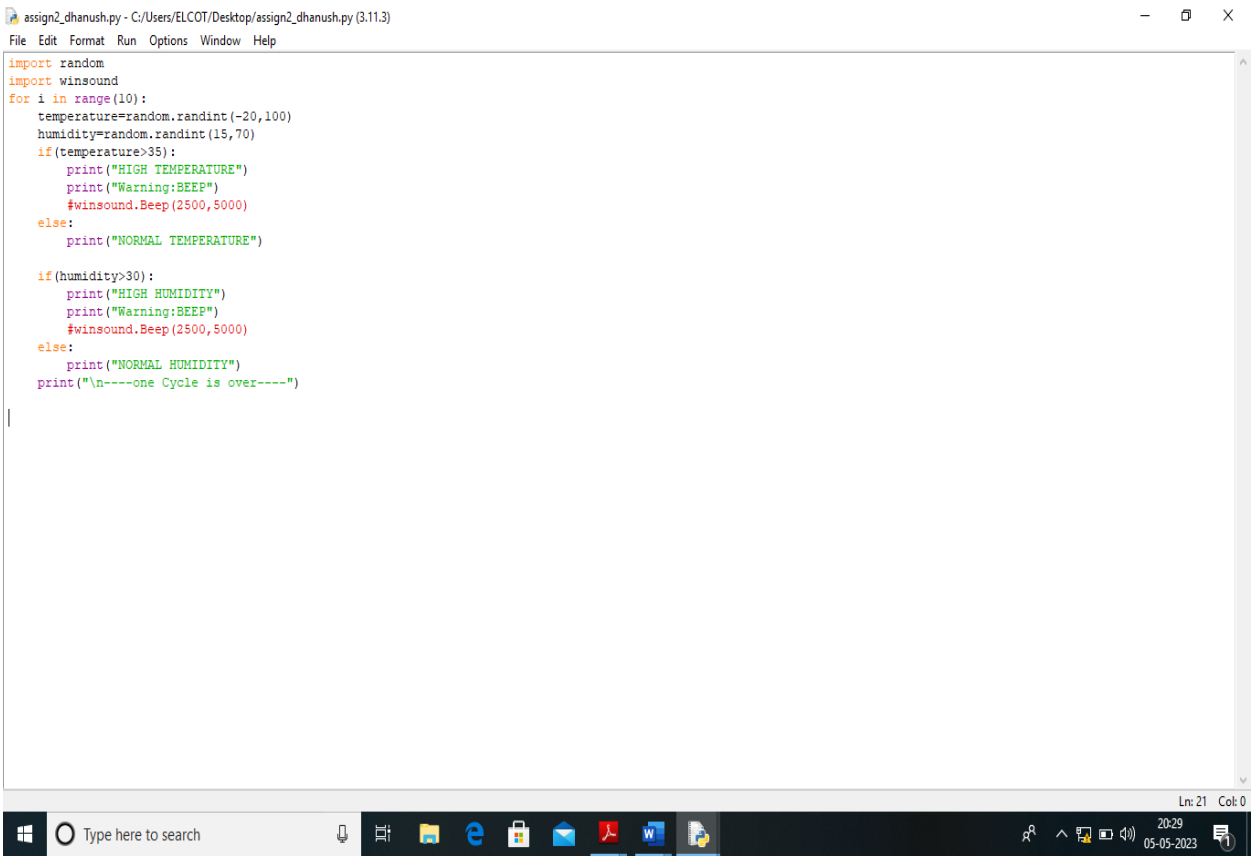
- **Python IDLE-3.7.0** - Installation
- Necessary modules (like importing random and winsound) for performing the given credentials.

CODING:

```
import random
import winsound
for i in range(10):
   temperature=random.randint(-20,100)
   humidity=random.randint(15,70)
   if(temperature>35):
```

```
    print("HIGH TEMPERATURE")
    print("Warning:BEEP")
    #winsound.Beep(2500,5000)
else:
    print("NORMAL TEMPERATURE")
if(humidity>30):
    print("HIGH HUMIDITY")
    print("Warning:BEEP")
    #winsound.Beep(2500,5000)
else:
    print("NORMAL HUMIDITY")
print("\n----one Cycle is over----")
```

The codings which I made for this assignment are figured below..



OUTPUT:

The output of my assignment is shown below.