Assignment-2
Python Programming

Assignment Date	26 September 2022
Student Name	Mr. MANIBHARATHY P
Student Roll Number	130719205028
Maximum Marks	2 Marks

STATEMENT:

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 temperature.

PROGRAM:

```python
import random

import time

from Tkinter import*

import tkSnack

while True:

    Temperature=random.randint(1,150)

    Humidity=random.randint(1,150)

    print("Temperature :",Temperature)

    print("Humidity :",Humidity)

    if Temperature<=15:

        print("Temperature is too low")

        print("Alert sound!!!!!!")

        wind=Tk()

        tkSnack.initializeSnack(wind)

        snd=tkSnack.sound()

        snd.read("Music1.wav")

        snd.play(blocking=1)

    elif Temperature>15 and Temperature<90:
```

```python
        print("Temperature is normal")

    else:

        print("Temperature is high")

        print("Alert sound!!!!!!")

        wind=Tk()

        tkSnack.initializeSnack(wind)

        snd=tkSnack.sound()

        snd.read("Music1.wav")

        snd.play(blocking=1)

    time.sleep(10)
```
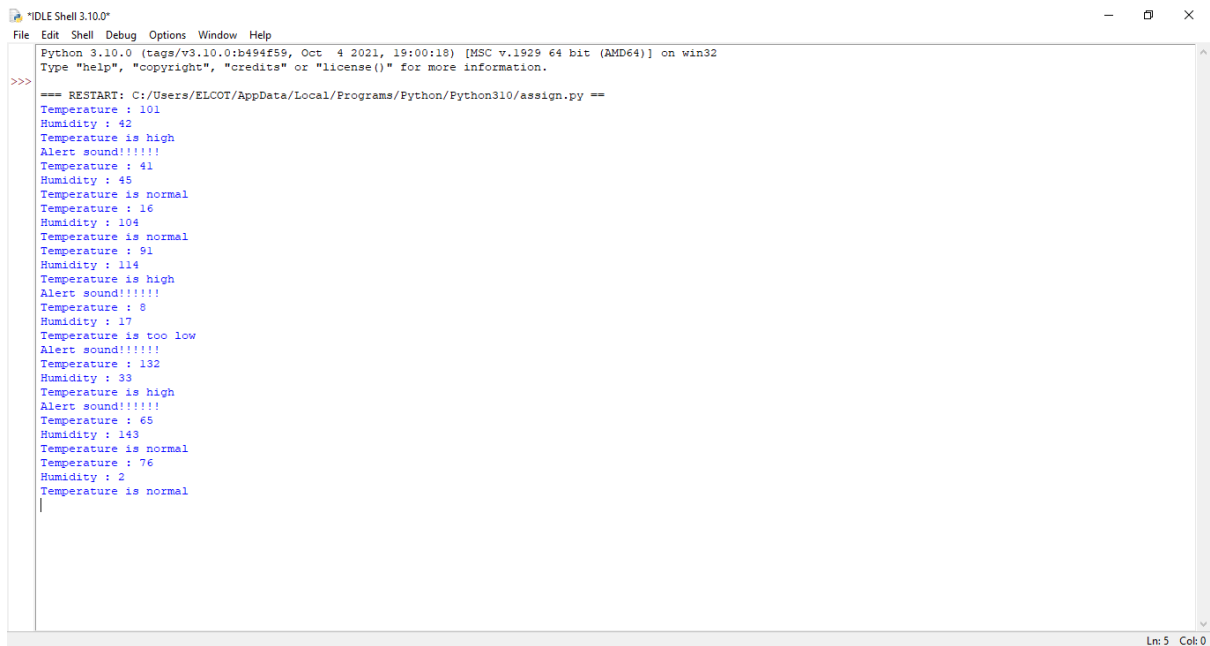
OUTPUT :


```
*IDLE Shell 3.10.0*
File Edit Shell Debug Options Window Help
    Python 3.10.0 (tags/v3.10.0:b494f59, Oct  4 2021, 19:00:18) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    === RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/assign.py ==
    Temperature : 101
    Humidity : 42
    Temperature is high
    Alert sound!!!!!!
    Temperature : 41
    Humidity : 45
    Temperature is normal
    Temperature : 16
    Humidity : 104
    Temperature is normal
    Temperature : 91
    Humidity : 114
    Temperature is high
    Alert sound!!!!!!
    Temperature : 8
    Humidity : 17
    Temperature is too low
    Alert sound!!!!!!
    Temperature : 132
    Humidity : 33
    Temperature is high
    Alert sound!!!!!!
    Temperature : 65
    Humidity : 143
    Temperature is normal
    Temperature : 76
    Humidity : 2
    Temperature is normal
    |
                                                                                Ln: 5  Col: 0
```

```
Humidity : 42
Temperature is high
Alert sound!!!!!!
Temperature : 41
Humidity : 45
Temperature is normal
Temperature : 16
Humidity : 104
Temperature is normal
Temperature : 91
Humidity : 114
Temperature is high
Alert sound!!!!!!
Temperature : 8
Humidity : 17
Temperature is too low
Alert sound!!!!!!
Temperature : 132
Humidity : 33
Temperature is high
Alert sound!!!!!!
Temperature : 65
Humidity : 143
Temperature is normal
Temperature : 76
Humidity : 2
Temperature is normal
Temperature : 47
Humidity : 56
Temperature is normal
Temperature : 19
Humidity : 120
Temperature is normal
Temperature : 37
Humidity : 72
Temperature is normal
Temperature : 52
Humidity : 12
Temperature is normal
Temperature : 32
Humidity : 57
```