

Assignment-2

Python Programming

Assignment Date	26 September 2022
Student Name	Mr. KISHORE V
Student Roll Number	130719205025
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:

```
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:
```

```

        print("Temperature is normal")
    else:

        print("Temperature is high")

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

        wind=Tk()

        tkSnack.initializeSnack(wind)

        snd=tkSnack.sound()

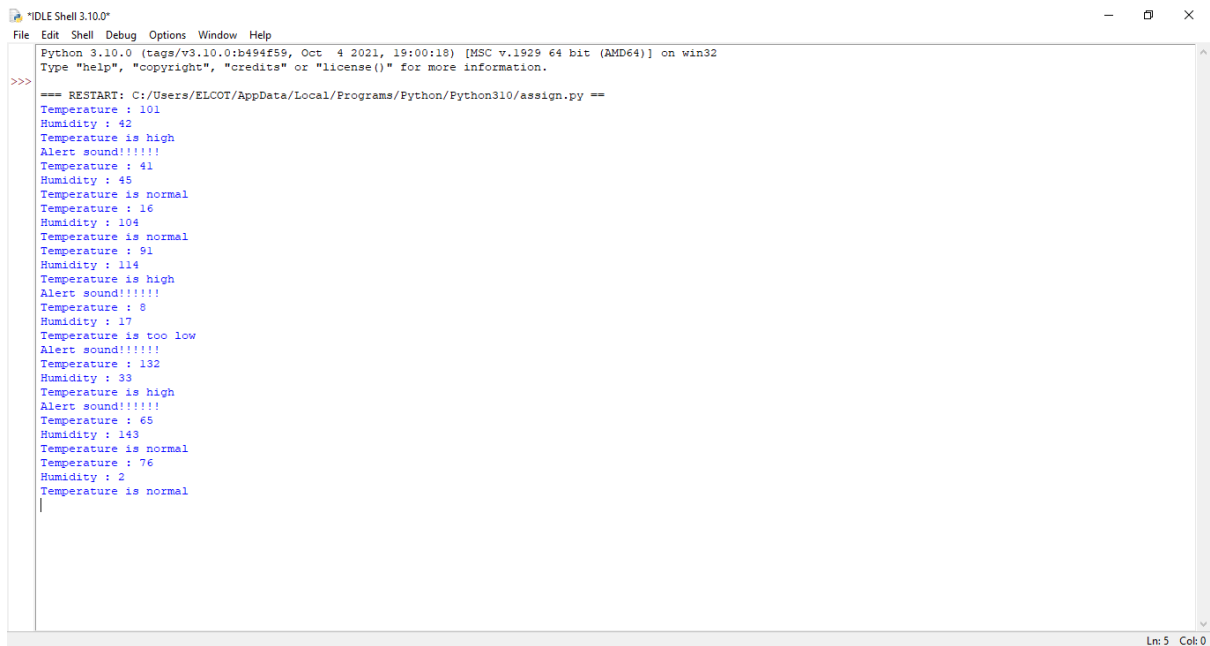
        snd.read("Music1.wav")

        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

```
"IDLE Shell 3.10.0"
File Edit Shell Debug Options Window Help
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
Ln: 5 Col: 0
```