

ALARM DUE TO HIGH TEMPERATURE – PYTHON CODE

PROJECT CODE:

```
import random

import winsound

temp=random.randrange(0,100)

humid=random.randrange(0,100)

print("Temperature= ",temp)

if(temp>60):

    print("HIGH TEMPERATURE")

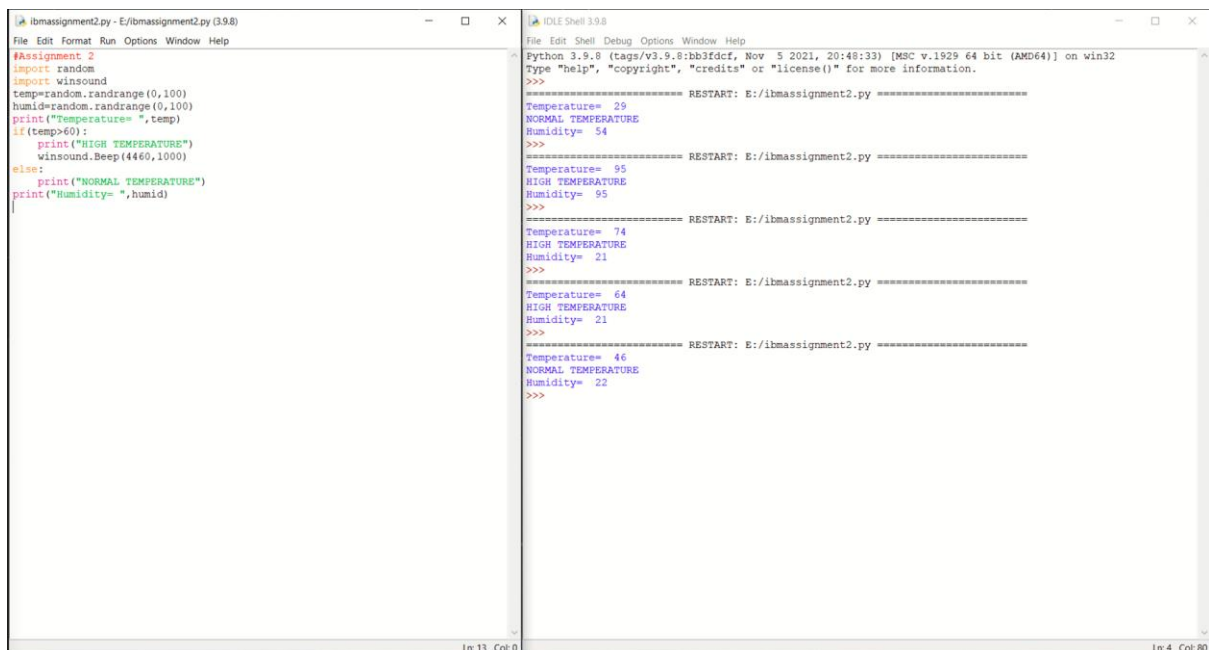
    winsound.Beep(4460,1000)

else:

    print("NORMAL TEMPERATURE")

print("Humidity= ",humid)
```

OUTPUT:



The screenshot shows a Python IDE with two windows. The left window is the code editor for 'ibmassignment2.py', and the right window is the IDLE Shell 3.9.8. The code in the editor is as follows:

```
#Assignment 2
import random
import winsound
temp=random.randrange(0,100)
humid=random.randrange(0,100)
print("Temperature= ",temp)
if(temp>60):
    print("HIGH TEMPERATURE")
    winsound.Beep(4460,1000)
else:
    print("NORMAL TEMPERATURE")
print("Humidity= ",humid)
```

The IDLE Shell shows the output of the program, which is a series of restarts with the following output for each run:

```
Python 3.9.8 (tags/v3.9.8:bb3fddf, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/ibmassignment2.py =====
Temperature= 29
NORMAL TEMPERATURE
Humidity= 54
>>>
===== RESTART: E:/ibmassignment2.py =====
Temperature= 95
HIGH TEMPERATURE
Humidity= 95
>>>
===== RESTART: E:/ibmassignment2.py =====
Temperature= 74
HIGH TEMPERATURE
Humidity= 21
>>>
===== RESTART: E:/ibmassignment2.py =====
Temperature= 64
HIGH TEMPERATURE
Humidity= 21
>>>
===== RESTART: E:/ibmassignment2.py =====
Temperature= 46
NORMAL TEMPERATURE
Humidity= 22
>>>
```