

## Assignment-2

### ALARM DUE TO HIGH TEMPERATURE – PYTHON CODE

Assignment Date	8 October 2022
Student Name	Kowsik M
Student Roll Number	111519106076
Maximum Marks	2 Marks

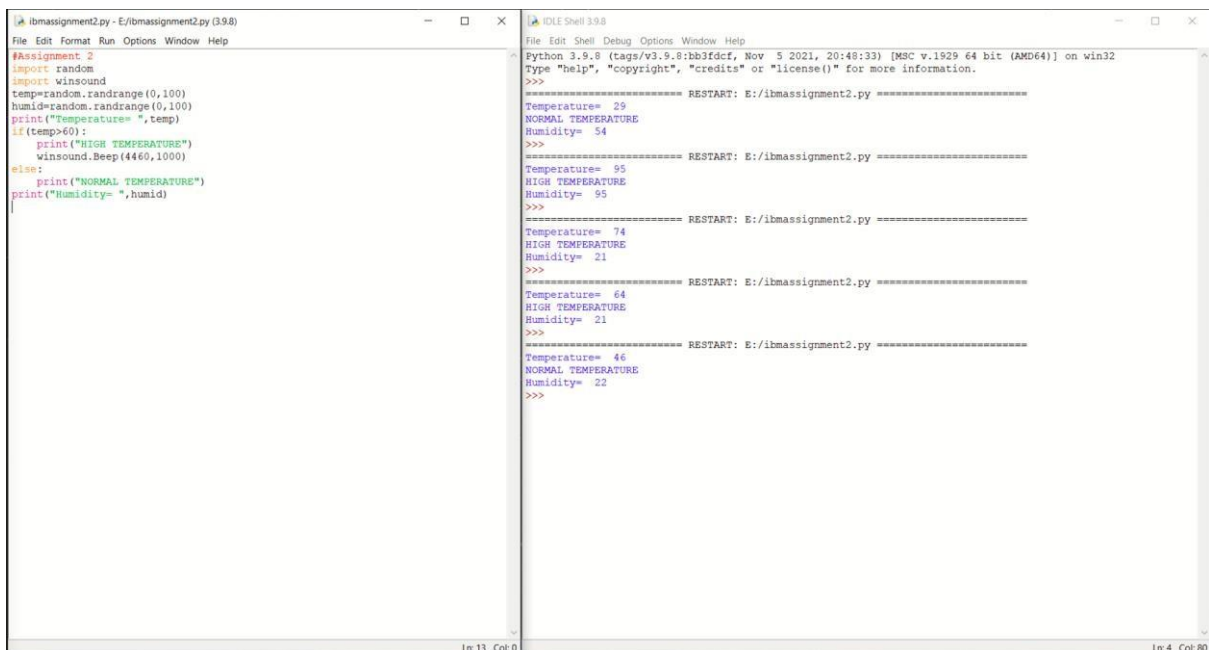
Question-1:

Build a python code to detect high temperature

SOLUTION:

```
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 displays the Python code for detecting high temperature and humidity. The right window shows the output of the code, which includes the temperature and humidity values, and a beep sound when the temperature is high.

```
ibmassignment2.py - E:/ibmassignment2.py (3.9.8)
File Edit Format Run Options Window Help
#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)

Python 3.9.8 (tags/v3.9.8:bb3fdef, 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
>>>
```