

IBM ASSIGNMENT-2

Assignment Date	24 September 2022
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Student Roll Number	510119104023
Maximum Marks	4marks

ASSIGNMENT DETAILS:

Technology: IOT

Domain: Smart solution for railways

ASSIGNMENT QUESTION:-

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 high temperature

CODE:

```
import winsound

temp = int(input("Enter the temperature value :"))
humd = int(input("Enter the humidity value :"))

if temp>=50 and humd<=35:
    print("High Temperature,",temp)
    winsound.Beep(frequency=2500,duration=2000)
else:
    print("It's normal temperature")

import random
import winsound

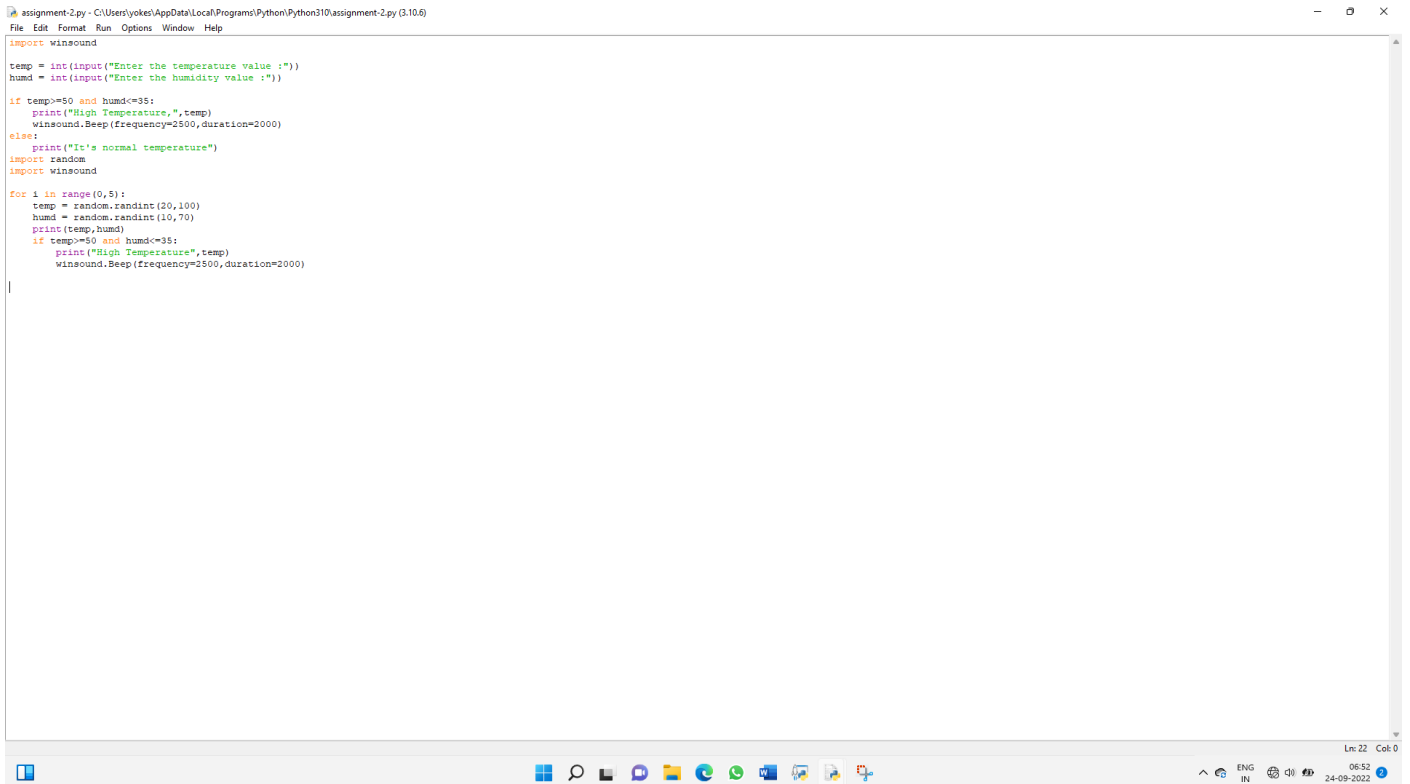
for i in range(0,5):
    temp = random.randint(20,100)
    humd = random.randint(10,70)
    print(temp,humd)
```

```
if temp>=50 and humd<=35:

    print("High Temperature",temp)

    winsound.Beep(frequency=2500,duration=2000)
```

SCREENSHOT OF CODE:



The screenshot shows a Python IDE window titled "assignment-2.py - C:\Users\jyokes\AppData\Local\Programs\Python\Python310\assignment-2.py (3.10.6)". The code is as follows:

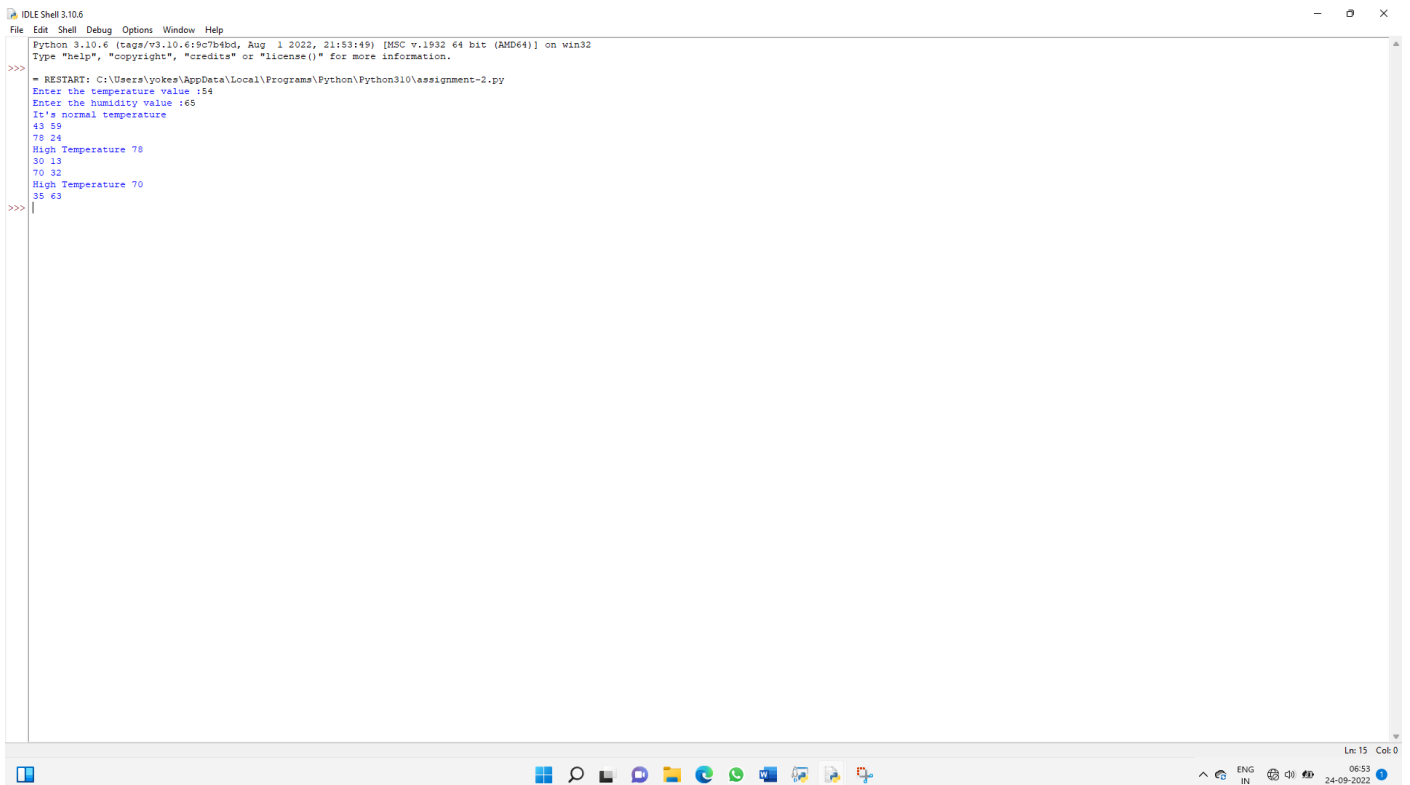
```
import winsound

temp = int(input("Enter the temperature value :"))
humd = int(input("Enter the humidity value :"))

if temp>=50 and humd<=35:
    print("High Temperature",temp)
    winsound.Beep(frequency=2500,duration=2000)
else:
    print("It's normal temperature")
import random
import winsound

for i in range(0,5):
    temp = random.randint(20,100)
    humd = random.randint(10,70)
    print(temp,humd)
    if temp>=50 and humd<=35:
        print("High Temperature",temp)
        winsound.Beep(frequency=2500,duration=2000)
```

OUTPUT:



The screenshot shows a Python IDE window titled "IDLE Shell 3.10.6". The output is as follows:

```
>>>
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\jyokes\AppData\Local\Programs\Python\Python310\assignment-2.py
Enter the temperature value :54
Enter the humidity value :65
It's normal temperature
43 55
78 24
High Temperature 78
50 13
70 32
High Temperature 70
35 63
>>>
```