

PROGRAM:

```
import random

a=(random.randrange(0,90))

b=(random.randrange(0,70))

print("temperature is ",a)

print("humidity is", b)

if (a>=20 and b>=30):

    print("high temperature and humidity")

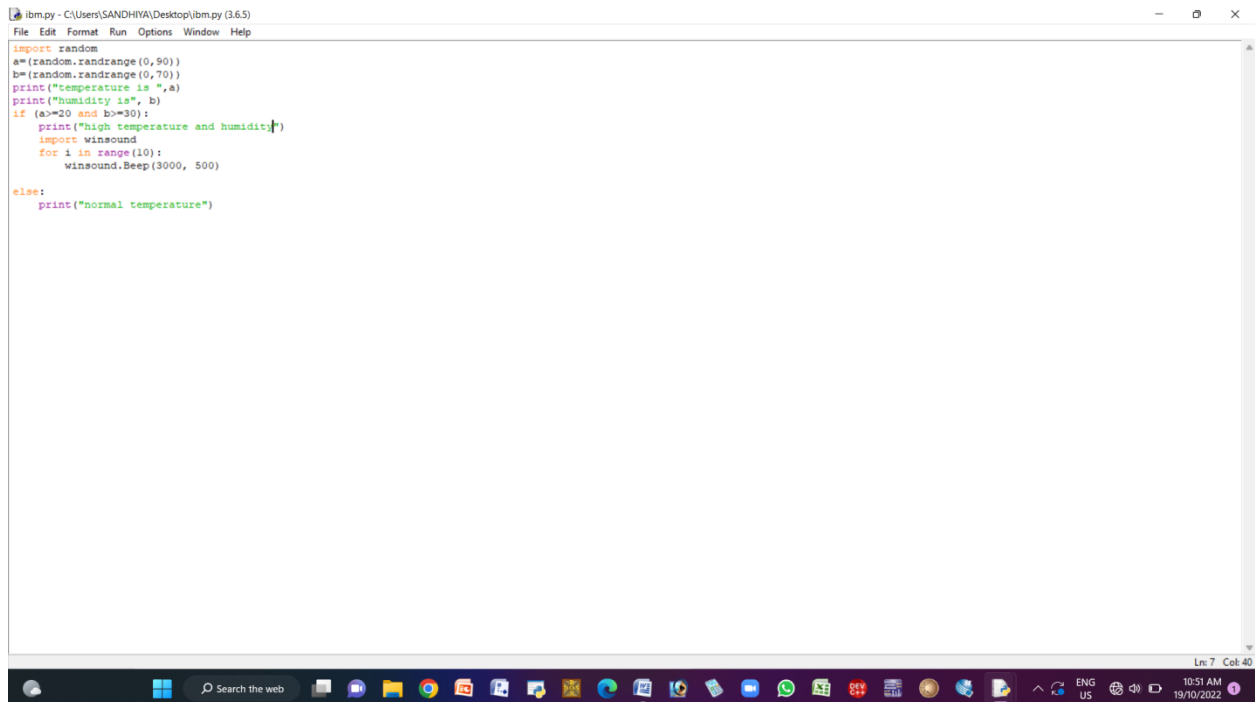
    import winsound

    for i in range(10):

        winsound.Beep(3000, 500)

else:

    print("normal temperature")
```

A screenshot of a Python IDE window titled 'ibm.py - C:\Users\SANDHYA\Desktop\ibm.py (3.6.5)'. The window contains the same Python code as shown in the previous block. The code is color-coded: 'import random' is orange, variable assignments are black, print statements are purple, the if-else logic is black, and the print statement inside the else block is purple. The IDE has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The status bar at the bottom right shows 'Ln: 7 Col: 40'. The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 10:51 AM on 19/10/2022.

```
ibm.py - C:\Users\SANDHYA\Desktop\ibm.py (3.6.5)
File Edit Format Run Options Window Help

import random
a=(random.randrange(0,90))
b=(random.randrange(0,70))
print("temperature is ",a)
print("humidity is", b)
if (a>=20 and b>=30):
    print("high temperature and humidity")
    import winsound
    for i in range(10):
        winsound.Beep(3000, 500)
else:
    print("normal temperature")

Ln: 7 Col: 40
```

RESULT:

```
>>>
===== RESTART: C:\Users\SANDHIYA\Desktop\libm.py =====
temperature is 64
humidity is 62
high temperature and humidity
>>>
===== RESTART: C:\Users\SANDHIYA\Desktop\libm.py =====
temperature is 16
humidity is 12
normal temperature
>>>
===== RESTART: C:\Users\SANDHIYA\Desktop\libm.py =====
temperature is 65
humidity is 64
high temperature and humidity
>>> |
```