

## Assignment -2

# Python Program For Temperature And Humidity

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Submitted By

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### PYTHON PROGRAM :

```
a=int (input("Temperature :"))
b=int (input("Humidity :"))
def hightemp (c,d):
    if(c>=105):
        print ("High Temperature :",c)
        if(d>=60):
            print ("High Humidity :",d)
            print ("Good Environment Condition ")
            print ("Buzzer Off")
        else :
            print ("Low Humidity :",d)
            print ("Hazzard ")
            print("Buzzer On ")
    else :
        print("Low Temperature :",c)
        print ("Good Environment condition ")
hightemp (a,b)
```

**Output :**

Consider 'a' as temperature & 'b' as Humidity :

1) For a=105 & b=50

Temperature : 105  
Humidity : 50  
High Temperature : 105  
Low Humidity : 50  
Hazzard  
Buzzer On

2) For a=95 & b=60

Temperature : 95  
Humidity : 60  
Low Temperature : 95  
Good Environment Condition

3) For a=110 & b=68

Temperature : 110  
Humidity : 68  
High Temperature : 110  
High Humidity : 68  
Good Environment Condition  
Buzzer Off

## Snap of the program :

The image shows a Python IDE with two windows. The left window, titled 'Jina.py', contains the source code for a program that takes temperature and humidity as input and prints status messages based on their values. The right window, titled 'IDLE Shell 3.10.5', shows the program's execution output for three different sets of input values.

```
Jina.py - C:\Users\USER\AppData\Local\Programs\Python\Python310\Jina.py (3.10.5)
File Edit Format Run Options Window Help

a=int(input("Temperature:"))
b=int(input("Humidity:"))
def hightemp(c,d):
    if(c>=105):
        print("High Temperature:",c)
    if(d>=60):
        print("High Humidity:",d)
        print("Good Environment Condition")
        print("Buzzer Off")
    else:
        print("Low Humidity:",d)
        print("Hazzard")
        print("Buzzer On")
    else:
        print("Low Temperature:",c)
        print("Good Environment Condition")
hightemp(a,b)
```

```
IDLE Shell 3.10.5
File Edit Shell Debug Options Window Help

Python 3.10.5 (tags/v3.10.5:f377153, Jun 6 2022, 16:14:13) [MSC v.1929 64 b
it (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\AppData
a\Local\Programs\Python\Python310\Jina.py =====
Temperature:105
Humidity:50
High Temperature: 105
Low Humidity: 50
Hazzard
Buzzer On
>>>
===== RESTART: C:\Users\USER\AppData
a\Local\Programs\Python\Python310\Jina.py =====
Temperature:95
Humidity:60
Low Temperature: 95
Good Environment Condition
>>>
== RESTART: C:\Users\USER\AppData\Local\Programs\Python\Python310\Jina.py ==
Temperature:110
Humidity:68
High Temperature: 110
High Humidity: 68
Good Environment Condition
Buzzer Off
>>>
```

Ln:19 Col:0      Ln:25 Col:0