Assignment -2

Python Program For Temperature And Humidity

Submitted By
JINA J S
REGNO: 961819106027
BATCH : B12-6A2E

PYTHON PROGRAM :

```python
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 :

```python
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)
```

```
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\AppDat
a\Local\Programs\Python\Python310\Jina.py ==================================
===========
Temperature:105
Humidity:50
High Temperature: 105
Low Humidity: 50
Hazzard
Buzzer On
>>>
============================================ RESTART: C:\Users\USER\AppDat
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
>>>
```