

INNOVATION, EMPLOYABILITY PROFESSIONAL READINESS FOR AND ENTREPRENEURSHIP

ASSIGNMENT – 2

PYTHON PROGRAM FOR TEMPERATURE AND HUMIDITY

SUBMITTED BY

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PYTHON PROGRAM

```
t=int(input("enter the temperature:"))
h=int(input("enter the humidity:"))

def environment(x,y):

    if(x>=50)&(y>=40):

        print("temperature and humidity is high")

        print("temperature=",x , "humidity=",y )

    elif(x>=50):

        print("temperature is high")

        print( "temperature=",x)

    elif(y>=40):

        print("humidity is high" )

        print( "humidity=",y)

    elif(x<=10)&(y<=10):

        print("temperature and humidity is low")

        print("temperature=",x , "humidity=",y )

    elif(x<=10):

        print("temperature is low")

        print( "temperature=",x)

    elif(y<=15):

        print("humidity is low" )

        print( "humidity=",y)

    else:

        print("good environment condition")

        print("temperature=",x)

        print("humidity=",y )

environment(t,h)
```

OUTPUT

**Here I assumed the normal temperature range between 9 to 49
And normal humidity range between 9 to 39**

1) enter the temperature:60

enter the humidity:50

temperature and humidity is high

temperature= 60 humidity= 50

2) enter the temperature:40

enter the humidity:50

humidity is high

humidity= 50

3) enter the temperature:60

enter the humidity:30

temperature is high

temperature= 60

4)enter the temperature:5

enter the humidity:6

temperature and humidity is low

temperature= 5 humidity= 6

5) enter the temperature:5

enter the humidity:20

temperature is low

temperature= 5

6) enter the temperature:20

enter the humidity:5

humidity is low

humidity= 5

SNAPS OF PROGRAM AND OUTPUT



```
*assignment 2.py - C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py (3.10.7)
File Edit Format Run Options Window Help
t=int(input("Enter the temperature:"))
h=int(input("Enter the humidity:"))
def environment(x,y):
    if (x>=50) & (y>=40):
        print("temperature and humidity is high")
        print("temperature=",x , "humidity=",y )
    elif (x>=50):
        print("temperature is high")
        print("temperature=",x)
    elif (y>=40):
        print("humidity is high" )
        print("humidity=",y)
    elif (x<=10) & (y<=10):
        print("temperature and humidity is low")
        print("temperature=",x , "humidity=",y )
    elif (x<=10):
        print("temperature is low")
        print("temperature=",x)
    elif (y<=10):
        print("humidity is low" )
        print("humidity=",y)
    else:
        print("good environment condition")
        print("temperature=",x)
        print("humidity=",y )
environment(t,h)
|
```

Activate Windows
Go to Settings to activate Windows.

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```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:60
enter the humidity:50
temperature and humidity is high
temperature= 60 humidity= 50
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:40
enter the humidity:50
humidity is high
humidity= 50
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:60
enter the humidity:30
temperature is high
temperature= 60
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:5
enter the humidity:6
temperature and humidity is low
temperature= 5 humidity= 6
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:5
enter the humidity:20
temperature is low
temperature= 5
>>>
= RESTART: C:\Users\AUSTIN\AppData\Local\Programs\Python\Python310\assignment 2.py
enter the temperature:20
enter the humidity:5
humidity is low
humidity= 5
>>>
|
```

Activate Windows
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