

ASSIGNMENT 2

Topic :Assignment on temperature and humidity sensing and alarm automation using python

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Code :

```
import random
a=random.random() #temperature
b=random.random() #humidity

print("=====
=====")

print("==Pgm to notice if the temp and humidity level is good or not in a
place==")

print("=====
=====")

print("==The random temperature generated is :",a)
print("==The random humidity generated is :",b)

    if a>80:
        if b>80:
            print("==Hazard is predicted")
        else:
            print("==High temperature")
    elif a==80:
        print("==Temperature is high... the ace is need to be cool
off... ==")
    else:
        print("==All good in your place you are safe... \n==The
temp and the humidity level is good ")

print("=====
=====")
```

```
"assignment 2.py - C:\Users\Admin\AppData\Local\Programs\Python\Python310\assignment 2.py (3.10.4)"
File Edit Format Run Options Window Help
import random
a=random.random() #temperature
b=random.random() #humidity
print("=====")
print("==Pgm to notice if the temp and humidity level is good or not in a place==")
print("=====")
print("==The random temperature generated is :",a)
print("==The random humidity generated is :",b)
if a>80:
    if b>80:
        print("==Hazard is predicted")
    else:
        print("==High temperature")
elif a==80:
    print("==Temperature is high... the ace is need to be cool off... ==")
else:
    print("==All good in your place you are safe... \n==The temp and the humidity level is good ")
    print("=====")
```

Output :

```
>>> = RESTART: C:\Users\Admin\AppData\Local\Programs\Python\Python310\assignment 2.py
=====
==Pgm to notice if the temp and humidity level is good or not in a place==
=====
==The random temperature generated is : 0.4471307588800345
==The random humidity generated is : 0.3716581676127755
==All good in your place you are safe...
==The temp and the humidity level is good
=====
>>>
```