

assignment.py - C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py (3.10.2)

```
File Edit Format Run Options Window Help
import random
x=random.randint(1,100)
y=random.randint(1,50)
print("random temperature and humidity reading")
if (x<50) & (y<30):
    print ("temperature is normal:",x,"%")
    print ("humidity is normal:",y,"%")
    print ("Alarm Off")
elif (x<50) & (y>30):
    print ("temperature is low:",x,"%")
    print ("humidity is high:",y,"%")
    print ("Alarm Off")
elif (x>50) & (y<30):
    print ("temperature is high:",x,"%")
    print ("humidity is high:",y,"%")
    print ("Alarm On")
elif (x>50) & (y>30):
    print ("temperature is high:",x,"%")
    print ("humidity is low:",y,"%")
    print ("Alarm On")
else:
    print ("temperature is very low:",x,"%")
    print ("humidity is very low:",y,"%")
    print ("Alarm Off")
```

Ln 25 Col 0

IDLE Shell 3.10.2

```
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is normal: 15 %
humidity is normal: 26 %
Alarm Off
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is normal: 3 %
humidity is normal: 29 %
Alarm Off
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is high: 76 %
humidity is high: 14 %
Alarm On
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is high: 91 %
humidity is low: 38 %
Alarm On
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is low: 12 %
humidity is high: 33 %
Alarm Off
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is high: 84 %
humidity is high: 22 %
Alarm On
>>>
= RESTART: C:/Users/Jasmine/AppData/Local/Programs/Python/Python310/assignment.py
random temperature and humidity reading
temperature is normal: 8 %
humidity is normal: 9 %
Alarm Off
>>>
```

Ln 51 Col 0

84°F
Mostly cloudy



ENG
IN 12:12 PM
10/2/2022