Assignment 2 Temperature & Humidity level Measuring.

INPUT CODE:

```
print('\tWelcome Assignment 2 \nTemperature & Humidity level Monitoring\n')


import random
import time
while True:
   temperature = random.randint(-15,100)
   humidity = random.randint(1,100)
   print(f"Checking Temperature: {temperature}"u'\N{DEGREE SIGN}'"C");
   print(f"Checking Humidity: {humidity}%");
   f = (temperature * 1.8 ) +32
   print("Temperature in Fahreheit is:",f)


   #Humidity Measurement


   if humidity >= 100:
      print(f"{humidity}% it is a Humid humudity level")
   elif 65<humidity<100 :
      print(f"{humidity}% it is a Prefect humudity level")
   else :
      print(f"{humidity}% it is a Dry humudity level")


   #Temperature Measurement


   if temperature >=37:
      print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Hot Temperature\n Alarm is activated \n
Notification is Notified")
   elif temperature==37:
     print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Normal Temperature")
```

Assignment 2 Temperature & Humidity level Measuring.

```
else:
   print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Cold Temperature")


print(' Humidity level & Temperature level is Monitored and Saved.\n')
time.sleep(5)
```

INPUT CODE:

Assignment 2.py - D:/IBM/Assignment 2.py (3.7.9)

File Edit Format Run Options Window Help

```
print('\tWelcome Assignment 2 \nTemperature & Humidity level Monitoring\n')

import random
import time
while True:
    temperature = random.randint(-15,100)
    humidity = random.randint(1,100)
    print(f"Checking Temperature: {temperature}"u'\N{DEGREE SIGN}'"C");
    print(f"Checking Humidity: {humidity}%");
    f = (temperature * 1.8 ) +32
    print("Temperature in Fahreheit is:",f)

    #Humidity Measurement

    if humidity >= 100:
        print(f"{humidity}% it is a Humid humudity level")
    elif 65<humidity<100 :
        print(f"{humidity}% it is a Prefect humudity level")
    else :
        print(f"{humidity}% it is a Dry humudity level")

    #Temperature Measurement

    if temperature >=37:
        print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Hot Temperature\n Alarm is activated \n Notification is Notified")
    elif temperature==37:
      print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Normal Temperature")
    else:
       print(f"{temperature}"u'\N{DEGREE SIGN}'"C is a Cold Temperature")

    print(' Humidity level & Temperature level is Monitored and Saved.\n')
    time.sleep(5)
```

Assignment 2 Temperature & Humidity level Measuring.

OUTPUT RESULT: