IBM ASSIGNMENT 2

CODE:

```python
import random
import time
while(1):
        temperature = round(random.randint(0,90))
        humidity = round(random.randint(0,90))
        if temperature <15:
           print("Temperature is very low.Current Temperture = ",temperature,"% C")
        elif temperature >= 15 & temperature <= 30:
           print("Temperature is normal.Current Temperture = ",temperature,"% C")
        else:
           print("Temperature is too High.Current Temperture = ",temperature,"% C")
        if humidity < 30:
           print("Humidity is very low.Current Humidity = ",humidity,"% C")
        elif humidity >= 15 & humidity <= 30:
           print("Humidity is normal.Current Humidity = ",humidity,"% C")
        else:
           print("Humidity is too High.Current Humidity = ",humidity,"% C")

        print()
        print("*************************************************************************")
        print()
        time.sleep(5)
```

```
File  Edit  Format  Run  Options  Window  Help
import random
import time
while(1):
    temperature = round(random.randint(0,90))
    humidity = round(random.randint(0,90))

    if temperature <15:
        print("Temperature is very low.Current Temperture = ",temperature,"% C")
    elif temperature >= 15 & temperature <= 30:
        print("Temperature is normal.Current Temperture = ",temperature,"% C")
    else:
        print("Temperature is too High.Current Temperture = ",temperature,"% C")


    if humidity < 30:
        print("Humidity is very low.Current Humidity = ",humidity,"% C")
    elif humidity >= 15 & humidity <= 30:
        print("Humidity is normal.Current Humidity = ",humidity,"% C")
    else:
        print("Humidity is too High.Current Humidity = ",humidity,"% C")

    print()
    print("*************************************************************************")
    print()
    time.sleep(5)
```

OUTPUT:

```
File  Edit  Shell  Debug  Options  Window  Help

================================================= RESTART: /home/digital/19ECR012_ASSIGNMENT_2.py ========================
Temperature is normal.Current Temperture =  79 % C
Humidity is normal.Current Humidity =  55 % C

    ********************************************************************

Temperature is normal.Current Temperture =  50 % C
Humidity is normal.Current Humidity =  42 % C

    ********************************************************************

Temperature is very low.Current Temperture =  14 % C
Humidity is very low.Current Humidity =  26 % C

    ********************************************************************

Temperature is normal.Current Temperture =  34 % C
Humidity is very low.Current Humidity =  17 % C

    ********************************************************************

Temperature is very low.Current Temperture =  13 % C
Humidity is normal.Current Humidity =  31 % C

    ********************************************************************

Temperature is normal.Current Temperture =  83 % C
Humidity is very low.Current Humidity =  12 % C

    ********************************************************************

Temperature is normal.Current Temperture =  78 % C
Humidity is normal.Current Humidity =  64 % C

    ********************************************************************
```