

```
import random
temp=random.randint(1,100)
humid=random.randint(1,50)
print("The Temperature is ",temp)
print("The Humidity is ",humid)

if (temp<50) & (humid<30) :
    print("Temperature is normal")
    print("Humidity is normal")
    print("Alarm off")
elif (temp<50) & (humid>30) :
    print("Temperature is low")
    print("Humidity is high")
    print("Alarm off")
elif (temp>50) & (humid>30) :
    print("Temperature is high")
    print("Humidity is high")
    print("Alarm on")
elif (temp>50) & (humid<30) :
    print("Temperature is high")
    print("Humidity is low")
    print("Alarm on")
else:
    print("Temperature is very low")
    print("Humidity is very low")
    print("Alarm off")
```

```
===== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python39/temp.py =====
The Temperature is 34
The Humidity is 12
Temperature is normal
Humidity is normal
Alarm off
>>>

===== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python39/temp.py =====
The Temperature is 1
The Humidity is 14
Temperature is normal
Humidity is normal
Alarm off
>>>

===== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python39/temp.py =====
The Temperature is 10
The Humidity is 17
Temperature is normal
Humidity is normal
Alarm off
>>>

===== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python39/temp.py =====
The Temperature is 88
The Humidity is 46
Temperature is high
Humidity is high
Alarm on
>>>

===== RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python39/temp.py =====
The Temperature is 78
The Humidity is 9
Temperature is high
Humidity is low
Alarm on
>>>
```