IBM PROJECT – ASSIGNMENT 2

CODE:

```python
import random

threshold_temperature=80

threshold_humidity=30

while True:

    temperature=random.randint(1,100)

    humidity=random.randint(1,50)

    print(humidity)

    print(temperature)

    if(temperature>threshold_temperature or humidity>threshold_humidity):

        print("HIGH TEMPERATURE & ALARM TRIGGERS")

    elif(humidity<threshold_humidity or temperature>threshold_temperature):

        print("LOW TEMPERATURE &ALARM TURNS OFF")

    else:

        print("NORMAL TEMPERATURE & ALARM TURNS OFF")
```

OUTPUT:

```
56
LOW TEMPERATURE &ALARM TURNS OFF
13
24
LOW TEMPERATURE &ALARM TURNS OFF
24
45
LOW TEMPERATURE &ALARM TURNS OFF
13
61
LOW TEMPERATURE &ALARM TURNS OFF
2
81
HIGH TEMPERATURE & ALARM TRIGGERS
38
77
HIGH TEMPERATURE & ALARM TRIGGERS
24
77
LOW TEMPERATURE &ALARM TURNS OFF
42
67
HIGH TEMPERATURE & ALARM TRIGGERS
14
34
LOW TEMPERATURE &ALARM TURNS OFF
29
6
LOW TEMPERATURE &ALARM TURNS OFF
42
89
HIGH TEMPERATURE & ALARM TRIGGERS
40
53
HIGH TEMPERATURE & ALARM TRIGGERS
39
86
HIGH TEMPERATURE & ALARM TRIGGERS
14
31
LOW TEMPERATURE &ALARM TURNS OFF
14
```