CREATE AN ALARM TO DETECT HIGH TEMPERATURE:

PYTHON PROGRAM:

```python
import random
import time
while(True):
    temp = round(random.uniform(10,50),1)
    print("Temperature : "+str(temp))
    humidity = random.randint(0,100)
    print("Humidity : "+str(humidity)+"\n")
    if(temp > 36.5 and temp < 37.5):
        print("Low Body Temperature")
    else:
        print("High Body Temperature")
    if(humidity > 30 and humidity < 60):
        print("Low Humidity")
    else:
        print("High Humidity")
    if((temp > 36.5 and temp < 37.5) and (humidity >
30 and humidity < 60)):
        print("All is good")
    time.sleep(1)
```

OUTPUT

IBM Assignment-2.py - H:\python\IBM Assignment-2.py (3.9.13)

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import random
import time
while(True):
    temp = round(random.uniform(10,50),1)
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        print("All is good")
    time.sleep(1)
```

```
*IDLE Shell 3.9.13*                                                    —   □   ✕

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Python 3.9.13 (tags/v3.9.13:6de2ca5, May 17 2022, 16:36:42) [MSC v.1929 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: H:\python\IBM Assignment-2.py ====================
Temperature : 44.6
Humidity : 27

High Body Temperature
High Humidity
Temperature : 23.5
Humidity : 48

High Body Temperature
Low Humidity
```