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ASSIGNMENT 2

Detect alarm incase of high temperature:

```
import random from  
time import sleep
```

```
while (True):
```

```
    temperature = random.randrange(0, 100)
```

```
    if (temperature >= 50):
```

```
        humidity = random.randrange(0, 20)
```

```
    else:
```

```
        humidity = random.randrange(21, 50)
```

```
    print("the temperature of the room is { } fahrenheit".format(temperature))
```

```
    print("the humidity of the room is { }".format(humidity))
```

```
    if (temperature > 60 and humidity < 50):
```

```
        print("****the alarm must be detected****")
```

```
    break sleep(2)
```

```
IDLE Shell 3.9.1
File Edit Shell Debug Options Window Help
Python 3.9.1 (tags/v3.9.1:1e5d33e, Dec 7 2020, 17:08:21) [MSC v.1927 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/SAKTHIVEL S/AppData/Local/Programs/Python/Python39/assignment 2.py
TEMPERATURE= 65
HIGH TEMPERATURE
>>>
= RESTART: C:/Users/SAKTHIVEL S/AppData/Local/Programs/Python/Python39/assignment 2.py
TEMPERATURE= 19
NORMAL TEMPERATURE
>>>
= RESTART: C:/Users/SAKTHIVEL S/AppData/Local/Programs/Python/Python39/assignment 2.py
TEMPERATURE= 62
HIGH TEMPERATURE
>>>
```

Ln: 15 Col: 4