

Assignment 2

Code:

```
File Edit Format Run Options Windows Help
import random
temperature=random.randint(1,100)
humidity=random.randint(1,50)
print(temperature)
print(humidity)
if((temperature<50)&(humidity<30)):
    print("temperature is normal: ")
    print("humidity is normal: ")
    print("alarm off")
elif((temperature<50)&(humidity>30)):
    print("temperature is low: ")
    print("humidity is high: ")
    print("alarm off")
elif((temperature>50)&(humidity<30)):
    print("temperature is high: ")
    print("humidity is high: ")
    print("alarm on")
elif((temperature>50)&(humidity>30)):
    print("temperature is high: ")
    print("humidity is low: ")
    print("alarm on")
else:
```

Output:

```
File Edit Shell Debug Options Windows Help
>>>
36
61
temperature is high:
humidity is high:
alarm on
>>> ===== RESTART
>>>
69
5
temperature is high:
humidity is high:
alarm on
>>> ===== RESTART
>>>
70
19
temperature is high:
humidity is high:
alarm on
>>> ===== RESTART
>>>
46
42
temperature is low:
humidity is high:
alarm off
>>> ===== RESTART
>>>
56
32
temperature is high:
humidity is low:
alarm on
>>> ===== RESTART
>>>
39
36
temperature is low:
humidity is high:
alarm off
```