

The screenshot shows the Spyder IDE interface. The menu bar includes File, Edit, Search, Source, Run, Debug, Consoles, Projects, Tools, View, and Help. The toolbar has various icons for file operations like Open, Save, Run, and Stop. The current file path is C:\Users\Lenovo\spyder-py3\temp.py. The code editor window contains the following Python script:

```
1 import random
2 for i in range (0,10):
3     temp=random.randint(0,100)
4     humid=random.randint(0,100)
5     print("Temperature level: "+str(temp))
6     print("Humidity Level: "+str(humid))
7     if(temp==range(27,38) and humid==range(30,50)):
8         print("Normal Temperature")
9     elif(temp<27 or humid>50):
10        print("Cool Temperature")
11    elif(temp>38 or humid<30):
12        print("Alert - View High Temperature")
```

OUTPUT:

The screenshot shows the Jupyter Notebook IPython console output. The code from temp.py is run, and the following output is displayed:

```
Humidity level: 18
Alert - View High Temperature
Temperature level: 13
Humidity level: 86
Cool Temperature
Temperature level: 58
Humidity level: 32
Alert - View High Temperature
Temperature level: 93
Humidity level: 66
Cool Temperature
Temperature level: 91
Humidity level: 34
Alert - View High Temperature
Temperature level: 42
Humidity level: 23
Alert - View High Temperature
Temperature level: 56
Humidity level: 72
Cool Temperature
Temperature level: 66
Humidity level: 78
Cool Temperature
Temperature level: 63
Humidity level: 22
Alert - View High Temperature
```

In [3]:

IPython console History

LSP Python: ready conda: base (Python 3.8.5) Line 12, Col 47 ASCII CRLF RW Mem 86%