

ASSIGNMENT 2

A screenshot of a web-based IDE, OnlineGDB, showing a Python script named 'main.py' being run. The code generates random temperature and humidity levels and prints them along with a classification ('Normal Temperature', 'Cool Temperature', or 'Alert - View High Temperature'). The output window shows several iterations of the generated data.

```
import random
for i in range(0,10):
    temp=random.randint(0,100)
    humid=random.randint(0,100)
    print("Temperature level: "+str(temp))
    print("Humidity level: "+str(humid))
    if(temp==range(27,38) and humid==range(30,50)):
        print("Normal Temperature")
    elif(temp>27 or humid>50):
        print("Cool Temperature")
    elif(temp>38 or humid>50):
        print("Alert - View High Temperature")
```

Temperature level: 92
Humidity level: 34
Alert - View High Temperature
Temperature level: 96
Humidity level: 57
Cool Temperature
Temperature level: 74
Humidity level: 68
Cool Temperature
Temperature level: 83
Humidity level: 95
Cool Temperature
Temperature level: 12
Humidity level: 78
Cool Temperature
Temperature level: 49
Humidity level:
Alert - View High Temperature
Temperature level: 48
Humidity level: 50
Alert - View High Temperature
Temperature level: 0
Humidity level: 4

A screenshot of the same OnlineGDB interface, showing the same Python script 'main.py' running. The output window shows the same data as the first screenshot, followed by a message indicating the program finished with exit code 0.

```
Temperature level: 92  
Humidity level: 34  
Alert - View High Temperature  
Temperature level: 96  
Humidity level: 57  
Cool Temperature  
Temperature level: 74  
Humidity level: 68  
Cool Temperature  
Temperature level: 83  
Humidity level: 95  
Cool Temperature  
Temperature level: 12  
Humidity level: 78  
Cool Temperature  
Temperature level: 49  
Humidity level: 4  
Alert - View High Temperature  
Temperature level: 48  
Humidity level: 50  
Alert - View High Temperature  
Temperature level: 0  
Humidity level: 4  
Cool Temperature  
Temperature level: 21  
Humidity level: 69  
Cool Temperature  
Temperature level: 58  
Humidity level: 70  
Cool Temperature
```

...Program finished with exit code 0
Press ENTER to exit console.