Assignment- 2

G. Yogeshwaran

421319106043 (batch9)

Smart waste management for metropolitan cities

Program:

```
import random
while(True):
tem=random.randint(10,100)
hum=random.randint(10,100)

if(tem>=80 and hum<=90):
print("High temperature values of temperature and humidity is:",tem,hum)
print("Alarm ON, detected")

elif(tem<80 and hum>90):
print("low temperature values of temperature and humidity is:",tem,hum)
print("Alarm OFF, not detected")
```

IDLE Shell 3.10.7

File Edit Shell Debug Options Window Help

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\MR.DEVIL\AppData\Local\Programs\Python\Python310\assignment2.temp.hum.py =
low temperature values of temperature and humidity is: 58 99
Alarm OFF, not detected
High temperature values of temperature and humidity is: 81 71
Alarm ON, detected
High temperature values of temperature and humidity is: 88 29
Alarm ON, detected
High temperature values of temperature and humidity is: 91 16
Alarm ON, detected
low temperature values of temperature and humidity is: 58 99
Alarm OFF, not detected
low temperature values of temperature and humidity is: 65 92
Alarm OFF, not detected
low temperature values of temperature and humidity is: 38 92
Alarm OFF, not detected
low temperature values of temperature and humidity is: 16 98
Alarm OFF, not detected
High temperature values of temperature and humidity is: 85 84
Alarm ON, detected
High temperature values of temperature and humidity is: 83 69
Alarm ON, detected
low temperature values of temperature and humidity is: 71 95
Alarm OFF, not detected
High temperature values of temperature and humidity is: 87 20
Alarm ON, detected
High temperature values of temperature and humidity is: 80 55
Alarm ON, detected
High temperature values of temperature and humidity is: 83 13
Alarm ON, detected
High temperature values of temperature and humidity is: 97 12
```