Assignment- 2

MK. Mohamed Fardeen

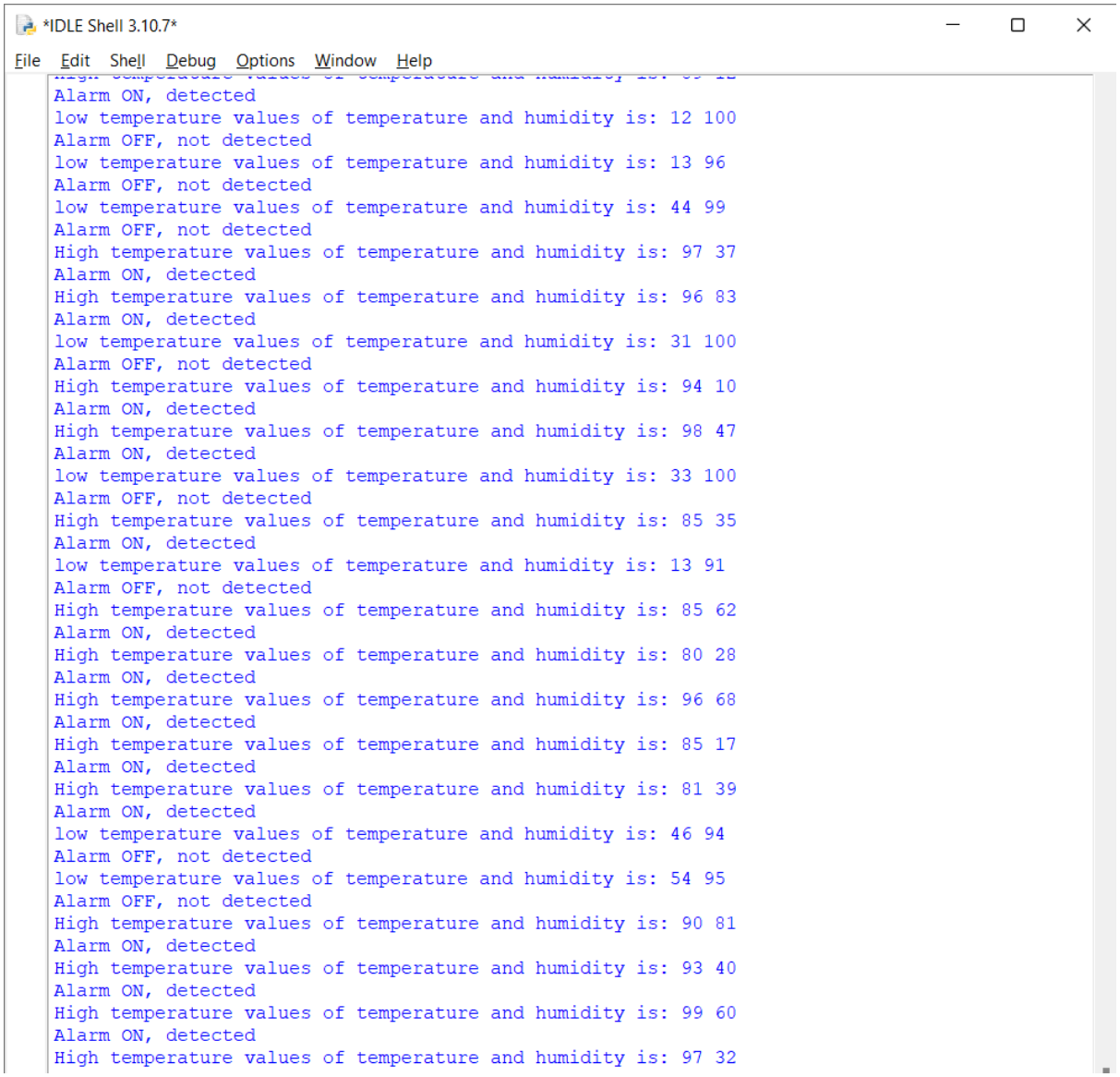
421319106023 (batch9)

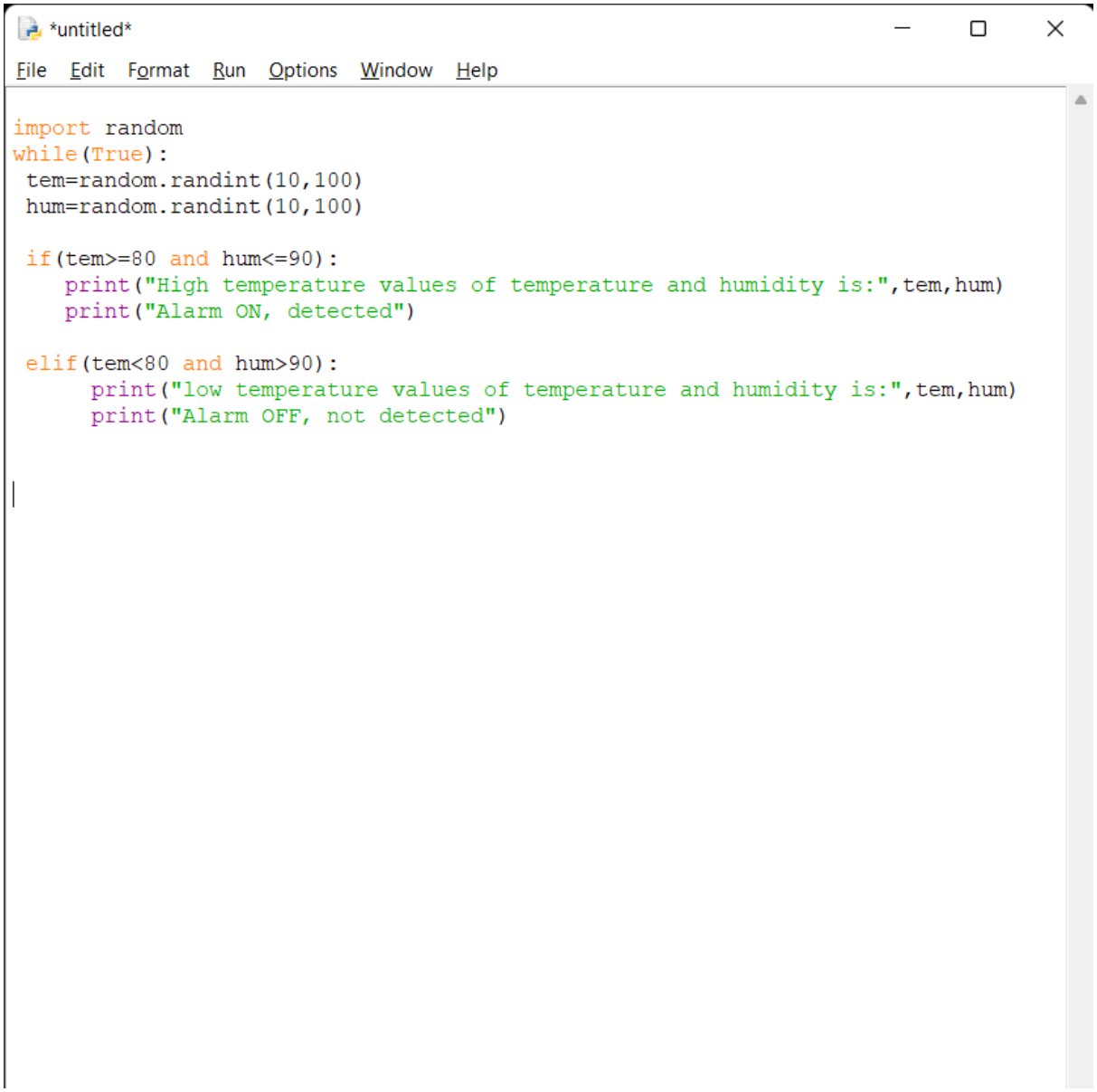
Smart waste management for metropolitan cities

Program for temperature and humidity to indicate alarm continuous in high temperature using generated random variables.

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
Alarm ON, detected
low temperature values of temperature and humidity is: 12 100
Alarm OFF, not detected
low temperature values of temperature and humidity is: 13 96
Alarm OFF, not detected
low temperature values of temperature and humidity is: 44 99
Alarm OFF, not detected
High temperature values of temperature and humidity is: 97 37
Alarm ON, detected
High temperature values of temperature and humidity is: 96 83
Alarm ON, detected
low temperature values of temperature and humidity is: 31 100
Alarm OFF, not detected
High temperature values of temperature and humidity is: 94 10
Alarm ON, detected
High temperature values of temperature and humidity is: 98 47
Alarm ON, detected
low temperature values of temperature and humidity is: 33 100
Alarm OFF, not detected
High temperature values of temperature and humidity is: 85 35
Alarm ON, detected
low temperature values of temperature and humidity is: 13 91
Alarm OFF, not detected
High temperature values of temperature and humidity is: 85 62
Alarm ON, detected
High temperature values of temperature and humidity is: 80 28
Alarm ON, detected
High temperature values of temperature and humidity is: 96 68
Alarm ON, detected
High temperature values of temperature and humidity is: 85 17
Alarm ON, detected
High temperature values of temperature and humidity is: 81 39
Alarm ON, detected
low temperature values of temperature and humidity is: 46 94
Alarm OFF, not detected
low temperature values of temperature and humidity is: 54 95
Alarm OFF, not detected
High temperature values of temperature and humidity is: 90 81
Alarm ON, detected
High temperature values of temperature and humidity is: 93 40
Alarm ON, detected
High temperature values of temperature and humidity is: 99 60
Alarm ON, detected
High temperature values of temperature and humidity is: 97 32


untitled
File Edit Format Run Options Window Help
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")