

MADURA T V

19CS074

SMART WASTE MANAGEMENT

SYSTEM FOR

METROPOLITAN CITIES

ASSIGNMENT - 2

Assignment 2:

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

I. CODE

```
#import the necessary package!

import requests

import random

import time

#input the city name

city = input('Enter the city name ')

#Display the message!

print('Displaying Weater report for: ' + city)

#fetch the weater details

url = 'https://wttr.in/{}'.format(city)

req = requests.get(url)

#display the result!

print(req.text)
```

```
# temprature and humidity RANDOM value
```

```
temp = random.random()
```

```
hum = random.random()
```

```
if hum == 36.5:
```

```
    print("According to Temperature report you are in normal days")
```

```
if hum < 36:
```

```
    print("The Temperature is low compare to normal days")
```

```
if hum > 36:
```

```
    print("The Temperature is high compare to normal days")
```

```
if temp == 55:
```

```
    print("According to Humidity report you are in normal place")
```

```
if temp < 55:
```

```
    print("The Humidity is low compare to normal days")
```

```
if temp > 55:
```

```
    print("The Humidity is high compare to normal days")
```

II. OUTPUT OF THE CODE:

 C:\Windows\system32\cmd.exe

```
D:\>cd pro
```

```
D:\pro>humidity.py
```

```
Enter the city name coimbatore
```

Displaying Weater report for: coimbatore

Weather report: coimbatore

```

+38;5;226 \ /e[0m Partly cloudy
+38;5;226 /''+38;5;250m.-. +[0m+38;5;214m+30-[0m-[38;5;202m35-[0m ^C+ [0m
+38;5;226 \_-38;5;250m( )_- +[0m+[1m3-[0m+38;5;110m4-[0m km/hr-[0m
+38;5;226 /-38;5;250m( _ )_- +[0m 6 km-[0m
0.2 mm-[0m

```

| Morning | | Noon | Evening | | Night |
|--|--|--|--|--|--|
| +38;5;226m +38;5;226m -38;5;226m | / \ +0m Sunny +0m +38;5;220m+26;0m -38;5;226m | +38;5;226m +38;5;220m+26;0m +38;5;226m | / +0m +38;5;214m+28;0m +38;5;154m+0m | Partly cloudy °C+0m +38;5;226m +38;5;250m | +38;5;226m +38;5;250m +38;5;250m |
| +38;5;226m +38;5;226m +38;5;226m | +0m +0m 0.0 mm +0m 0.0 mm | +38;5;226m +38;5;226m +38;5;226m | +38;5;226m +38;5;226m +38;5;226m | +38;5;226m +38;5;226m +38;5;226m | +38;5;226m +38;5;226m +38;5;226m |

| Morning | | Noon | | Sun 23 Oct | | Evening | | Night | |
|---------------------------------|--|--|--|----------------------------------|--|--|--|----------------------------------|--|
| +38;5;226m \ /+0m Partly cloudy | | +38;5;226m ""+38;5;250m.-. | | +0m Patchy rain po. | | +38;5;226m ""+38;5;250m.-. | | +0m Patchy rain po. | |
| +38;5;226m ""+38;5;250m.-. | | +0m +38;5;220m+27+0m(+38;5;214m+29+0m) °C+0m | | +38;5;226m \,+38;5;250m() | | +0m +38;5;208m+31+0m(+38;5;202m+34+0m) °C+0m | | +38;5;226m \,+38;5;250m() | |
| +38;5;226m \,+38;5;250m() | | +0m +1m+0m +38;5;082m+3+0m+38;5;110m+4+0m km/hr+0m | | +38;5;226m /+38;5;250m() | | +0m +1m+0m +38;5;082m+2+0m km/hr+0m | | +38;5;226m /+38;5;250m() | |
| +38;5;226m /+38;5;250m() | | +0m 10 km+0m | | +38;5;111m ""+0m 10 km+0m | | +38;5;111m ""+0m 9 km+0m | | +38;5;111m ""+0m 9 km+0m | |
| 0.0 mm 0%+0m | | +38;5;111m ""+0m 0.2 mm 75%+0m | | +38;5;111m ""+0m 0.8 mm 81%+0m | | +38;5;111m ""+0m 0.6 mm 69%+0m | | +38;5;111m ""+0m 0.6 mm 69%+0m | |

| Morning | | Noon | | Evening | | Night | |
|---|--|--|--|--|--|--|--|
| +38;5;226m \ /+0m Partly cloudy | | +38;5;226m _/'"+38;5;250m.-. +0m Patchy rain po. | | +38;5;226m _/'"+38;5;250m.-. +0m Patchy rain po. | | +38;5;226m _/'"+38;5;250m.-. +0m Light rain sho. | |
| +38;5;226m _/'"+38;5;250m.-. +0m +38;5;220m+27+0m(+38;5;214m+29+0m) °C+0m | | +38;5;226m \,+38;5;250m(). +0m +38;5;214m+30+0m(+38;5;208m+33+0m) °C+0m | | +38;5;226m \,+38;5;250m(). +0m +38;5;214m+30+0m(+38;5;208m+33+0m) °C+0m | | +38;5;226m \,+38;5;250m(). +0m +38;5;220m+27+0m(+38;5;214m+29+0m) °C+0m | |
| +38;5;226m \,+38;5;250m(). +0m +1m+0m +38;5;110m+0m km/hr+0m | | +38;5;226m \,+38;5;250m(). +0m +1m+0m +38;5;110m+0m km/hr+0m | | +38;5;226m \,+38;5;250m(). +0m +1m+0m +38;5;110m+0m km/hr+0m | | +38;5;226m \,+38;5;250m(). +0m +1m+0m +38;5;110m+0m km/hr+0m | |
| +38;5;226m \,+38;5;250m(). +0m 10 km+0m | | +38;5;111m ' ' ' +0m 10 km+0m | | +38;5;111m ' ' ' +0m 9 km+0m | | +38;5;111m ' ' ' +0m 10 km+0m | |
| 0.0 mm 0%+0m | | +0m 0.1 mm 86%+0m | | +0m 0.5 mm 86%+0m | | +0m 0.4 mm 64%+0m | |

Location: Coimbatore, Coimbatore district, Tamil Nadu, 641001, India [11.0018115,76.9628425]

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The Temperature is low compare to normal days

The Humidity is low compare to normal days

D:\pro>