

PAVATHARANI SHANMUGAMANI

19CS102

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 \ /-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

```

| Sat 22 Oct | | | | | |
|--|---|--|---|--|--|
| 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;214m+28-[0m °C | + [0m Partly cloudy _ / "" + [38;5;250m.-. | + [0m Patchy rain po. _ / "" + [38;5;250m.-. | + [0m Patchy rain po. _ / "" + [38;5;250m.-. |
| - [38;5;226m | - [0m + [1m3-[0m + [38;5;154m8-[0m | + [38;5;154m9-[0m km/hr | + [38;5;226m _ / "" + [38;5;250m() . | + [0m + [1m3-[0m + [38;5;190m10-[0m | + [38;5;226m _ / "" + [38;5;250m() . |
| + [38;5;226m + [38;5;226m | + [0m 10 km-[0m + [0m 0.0 mm 0%-[0m | + [38;5;226m _ / "" + [38;5;250m() . | + [0m 10 km-[0m 0.0 mm 0%-[0m | + [38;5;111m ' ' ' ' + [0m 9 km-[0m + [0m 0.2 mm 75%-[0m | + [38;5;111m ' ' ' ' + [0m 9 km-[0m + [0m 0.2 mm 63%-[0m |

| 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.-. |
| +38;5;226m _/'"+38;5;250m.-. | +0m +38;5;220m+27 0m(+38;5;214m+29) °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() . | +0m +38;5;228m+29 |
| +38;5;226m \,+38;5;250m() . | +0m +1m+0m +38;5;082m+3 0m+38;5;118m+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() | +0m +1m+0m +38;5;082m+2 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 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 | | |

| 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]

Follow @igor_chubin for wtr.in updates

The Temperature is low compare to normal days

The Humidity is low compare to normal days

D:\pro>