

Assignment -2
Python Programming

| | |
|---------------------|-------------------|
| Assignment Date | 27 September 2022 |
| Student Name | A .Asmitha |
| Student Roll Number | 960219106042 |
| Maximum Marks | 2 Marks |

Question-1:

Build a python code, assume you to 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.

Solution:

```
#import the necessary package!

import requests

import random

from time import *

gate=True

#input the city name

def run_city():

    city = input('input the city name')

    print(city)

# or you can also hard-code the value

#Display the message!

    print('Displaying Weater report for:

' + city)

#fetch the weater details

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

    res = requests.get(url)

#display the result!

    print(res.text)

#temprature searching
```

```

while(gate):

    temperature =
random.randint(0,50)

    humidity = random.randint(10,50)

    if temperature>45 and
humidity<50:

        print("Temperature
=",temperature,"Humidity
=",humidity)

        print("Alert message in
Activate")

        gate=False

    else:

        print("Temperature
=",temperature,"Humidity",humidity)

        sleep(1);

#enter temprature value

x= int(input("Please enter the
Humidity value :"))

y= int(input("Please enter the
temperature value :"))

z=print(x,y)

print(z)

if x == 36.5:

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

if x < 36:

    print("your Temperature is low
compare to normal days")

if x > 36:

    print("your Temperature is
high compare to normal days")

if y == 45:

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

```

if y < 45:

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

if y > 45:

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

while True:

```
    run_city()
```

Output:

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:58:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/user/Desktop/Assignment-2/ASSIGNMENT 2.py =====
Temperature = 4 Humidity 21
Temperature = 36 Humidity 39
Temperature = 45 Humidity 28
Temperature = 15 Humidity 10
Temperature = 28 Humidity 41
Temperature = 15 Humidity 40
Temperature = 7 Humidity 40
Temperature = 25 Humidity 21
Temperature = 11 Humidity 34
Temperature = 13 Humidity 20
Temperature = 48 Humidity = 34
Alert message in Activate
Please enter the Humidity value :42
Please enter the temperature value :47
42 47
None
your Temperature is high compare to normal days
your Humidity is high compare to normal days
input the city name Nagercoil
Nagercoil
Displaying Weater report for: Nagercoil
Weather report: Nagercoil

[38;5;226m \ / [0m Clear
[38;5;226m .-. [0m [38;5;220m+270[0m([38;5;214m30[0m) *Cl[0m
[38;5;226m - ( ) - [0m [1m-[0m [38;5;214m220[0m km/h[0m
[38;5;226m `-' [0m 10 km[0m
[38;5;226m / \ [0m 0.0 mm[0m

    Tue 27 Sep
    Morning Noon Evening Night
[38;5;226m \ / [0m Sunny [38;5;226m \ / [0m Sunny [38;5;226m \ / [0m Clear [38;5;226m \ / [0m Cl
ear
[38;5;226m .-. [0m [38;5;208m+310[0m([38;5;208m330[0m) *Cl[0m [38;5;226m .-. [0m [38;5;196m+370[0m([38;5;196m450[0m) *Cl[0m [38;5;226m
-. [0m [38;5;214m+280[0m([38;5;208m310[0m) *Cl[0m [38;5;226m .-. [0m [38;5;220m+260[0m([38;5;214m290[0m) *Cl[0m
[38;5;226m - ( ) - [0m [1m-[0m [38;5;220m190[0m-[38;5;214m220[0m km/h[0m [38;5;226m - ( ) - [0m [1m*[0m [38;5;220m190[0m-[38;5;214m220[0m km/h[0m
[38;5;226m `-' [0m 10 km[0m [38;5;226m `-' [0m 10 km[0m [38;5;226m / \ [0m 0.0 mm[0m [38;5;226m / \ [0m 0.0 mm[0m
```

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| Morning | | | | Noon | | | | Evening | | | | Night | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| [038;5;226m \ / [0m Sunny | | | | [038;5;226m \ / [0m Sunny | | | | [038;5;226m \ / [0m Sunny | | | | [038;5;226m \ / [0m Clear | | | |
| [038;5;226m - - [0m [038;5;208m+310m[038;5;208m310m] *Cf[0m [038;5;226m - - [0m [038;5;196m+370m[038;5;196m+50m] *Cf[0m [038;5;226m - - [0m [038;5;214m+280m[038;5;208m310m] *Cf[0m [038;5;226m - - [0m [038;5;222m+260m[038;5;214m290m] *Cf[0m | | | | [038;5;226m - - [0m [038;5;222m+260m[038;5;214m290m] *Cf[0m | | | | [038;5;226m - - [0m [038;5;222m+260m[038;5;214m290m] *Cf[0m | | | | [038;5;226m - - [0m [038;5;222m+260m[038;5;214m290m] *Cf[0m | | | |
| [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | |
| [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | | [038;5;226m - () - [0m [038;5;220m190m[038;5;214m220m] km/h[0m | | | |
| [038;5;226m - - [0m 10 km[0m [038;5;226m - - [0m 10 km[0m [038;5;226m - - [0m 10 km[0m [038;5;226m - - [0m 10 km[0m | | | | [038;5;226m - - [0m 10 km[0m | | | | [038;5;226m - - [0m 10 km[0m | | | | [038;5;226m - - [0m 10 km[0m | | | |
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| [038;5;226m / \ [0m 0.0 mm [0m [038;5;226m / \ [0m 0.0 mm [0m [038;5;226m / \ [0m 0.0 mm [0m [038;5;226m / \ [0m 0.0 mm [0m | | | | [038;5;226m / \ [0m 0.0 mm [0m | | | | [038;5;226m / \ [0m 0.0 mm [0m | | | | [038;5;226m / \ [0m 0.0 mm [0m | | | |

| Morning | | Noon | Evening | Night |
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[illegible]

Location: Nagercoil, Kanyakumari, Kanyakumari district, Tamil Nadu, 629001, India [8.1880471,77.4290492]