

**Assignment -2**  
Python Programming

Assignment Date	27 September 2022
Student Name	M.ARFIYA
Student Roll Number	960219106031
Maximum Marks	2 Marks

**Question-1:**

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

**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:

```

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32

Type "copyright", "credits" or "license()" for more information.

>>>

=== RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\as2.py ===

Temperature = 29 Humidity 10

Temperature = 16 Humidity 12

Temperature = 32 Humidity 13

Temperature = 23 Humidity 43

Temperature = 39 Humidity 46

Temperature = 24 Humidity 32

Temperature = 9 Humidity 12

Temperature = 13 Humidity 47

Temperature = 27 Humidity 19

Temperature = 15 Humidity 22

Temperature = 1 Humidity 18

Temperature = 40 Humidity 10

Temperature = 29 Humidity 39

Temperature = 46 Humidity = 11

Alert message in Activate

Please enter the Humidity value :49

Please enter the temperature value :46

49 46

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

```

[38;5;226m \ / [0m Clear
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[38;5;226m -. [0m 10 km[0m
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Morning		Noon		Evening		Night	
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Location: Nagercoil, Kanyakumari, Kanyakumari district, Tamil Nadu, 629001, India [8.1880471,77.4290492]

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