

Assignment -2
Python Programming

Assignment Date	07 November 2022
Team ID	PNT2022TMID44143
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Maximum Marks	2 Marks

Question:

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

Solution:

Program

```
import requests
import random
from time import *

gate=True

def run_city():
    city = input('input the city name')
    print(city)
    print('Displaying Weater report for: ' + city)
    url = 'https://wttr.in/{}'.format(city)
    res = requests.get(url)
    print(res.text)
    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);
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:

```

Temperature = 0 Humidity 42
Temperature = 36 Humidity 44
Temperature = 18 Humidity 34
Temperature = 13 Humidity 49
Temperature = 36 Humidity 14
Temperature = 43 Humidity 14
Temperature = 2 Humidity 10
Temperature = 26 Humidity 26
Temperature = 32 Humidity 22
Temperature = 22 Humidity 45
Temperature = 15 Humidity 15
Temperature = 18 Humidity 46
Temperature = 32 Humidity 40
Temperature = 33 Humidity 32
Temperature = 48 Humidity = 11
Alert message in Activate
Please enter the Humidity value :45
Please enter the temperature value :45
45 45
None
your Temperature is high compare to normal days
Due to Humidity report you are in normal place
input the city name|

```