

Assignment-2

""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 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 :

Select C:\WINDOWS\py.exe

```
Temperature = 25 Humidity 18
Temperature = 5 Humidity 39
Temperature = 7 Humidity 20
Temperature = 47 Humidity = 28
Alert message in Activate
Please enter the Humidity value :28
Please enter the temperature value :47
28 47
None
your Temperature is low compare to normal days
your Humidity is high compare to normal days
input the city nameA
```