## 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.

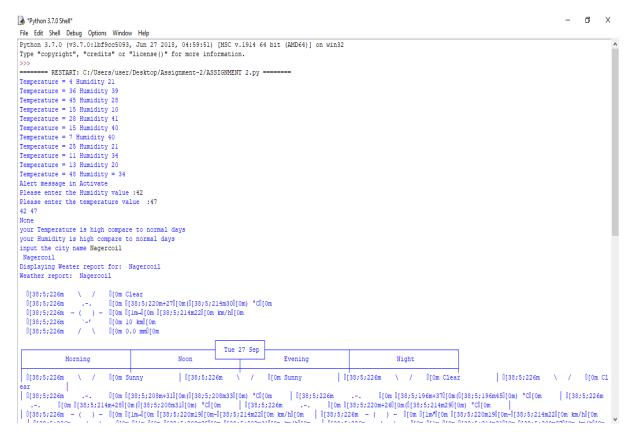
## **Solution:**

```
#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:**



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