Assignment -2
Python Programming
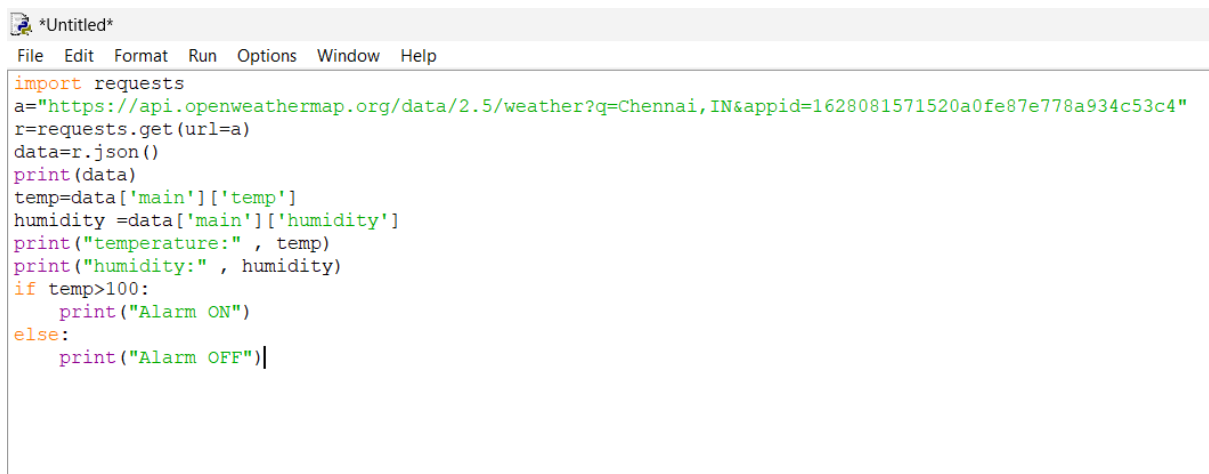
Assignment Date	19 September 2022
Student Name	Ms A.Nithyasri
Student Roll Number	211419106184
Maximum Marks	2 Marks

Question-1:

Build a python code ,Assume u 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:

```python
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=1628081571520a0fe87e778a934c53c4"
r=requests.get(url=a)
data=r.json()
print(data)
temp=data['main']['temp']
humidity =data['main']['humidity']
print("temperature:" , temp)
print("humidity:" , humidity)
if temp>100:
    print("Alarm ON")
else:
    print("Alarm OFF")
```

Untitled

File   Edit   Format   Run   Options   Window   Help

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import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=1628081571520a0fe87e778a934c53c4"
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```
IDLE Shell 3.10.7                                          —     □     ✕

File  Edit  Shell  Debug  Options  Window  Help

    Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (
    AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ===================== RESTART: C:/Users/nithy/Temp&humi.py =====================
    {'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 721, 'main': 'Haz
    e', 'description': 'haze', 'icon': '50n'}], 'base': 'stations', 'main': {'temp':
     304.14, 'feels_like': 310.72, 'temp_min': 304.14, 'temp_max': 304.14, 'pressure
    ': 1006, 'humidity': 70}, 'visibility': 5000, 'wind': {'speed': 1.03, 'deg': 0},
     'clouds': {'all': 75}, 'dt': 1664468638, 'sys': {'type': 1, 'id': 9218, 'countr
    y': 'IN', 'sunrise': 1664411281, 'sunset': 1664454633}, 'timezone': 19800, 'id':
     1264527, 'name': 'Chennai', 'cod': 200}
    temperature: 304.14
    humidity: 70
    Alarm ON
>>>
```