**Assignment 2**

**Python programming using open weather map**

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| **Assignment Date** | **28 September 2022** |
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**Question:**

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

**Solution:**

import requests

import json

a="https://api.openweathermap.org/data/2.5/weather?q=Ambur,IN&appid=f0d2954f971132e980fe468183ca28c9"

r=requests.get (url=a)

print (r)

data=r.json()

print(data)

tem=data['main']['temp']

print(tem)

humidity=data['main']['humidity']

print(humidity)

**Output:**

<Response [200]>

{'coord': {'lon': 78.7, 'lat': 12.7833}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'overcast clouds', 'icon': '04d'}], 'base': 'stations', 'main': {'temp': 301.9, 'feels\_like': 303.77, 'temp\_min': 301.9, 'temp\_max': 301.9, 'pressure': 1005, 'humidity': 60, 'sea\_level': 1005, 'grnd\_level': 969}, 'visibility': 10000, 'wind': {'speed': 0.28, 'deg': 96, 'gust': 0.8}, 'clouds': {'all': 100}, 'dt': 1664368350, 'sys': {'country': 'IN', 'sunrise': 1664325256, 'sunset': 1664368657}, 'timezone': 19800, 'id': 1278815, 'name': 'Ambur', 'cod': 200}

301.9

60

