**Assignment 2**

**Python programming using open weather map**

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| **Assignment Date** | **28 September 2022** |
| **Student Name** | **Janani. J** |
| **Student Roll Number** | **511919106004** |

**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:

#temp humidity

import requests #importing s library

import json

#replace the url & it should be in ""

a="https://api.openweathermap.org/data/2.5/weather?q=Vaniyambadi,%20IN&appid=3edb9b04449550389d2d3f2d1e21e933"

r=requests.get(url=a)

print(r)

data=r.json()

print(data)

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

print (tem)

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

print (humidity)

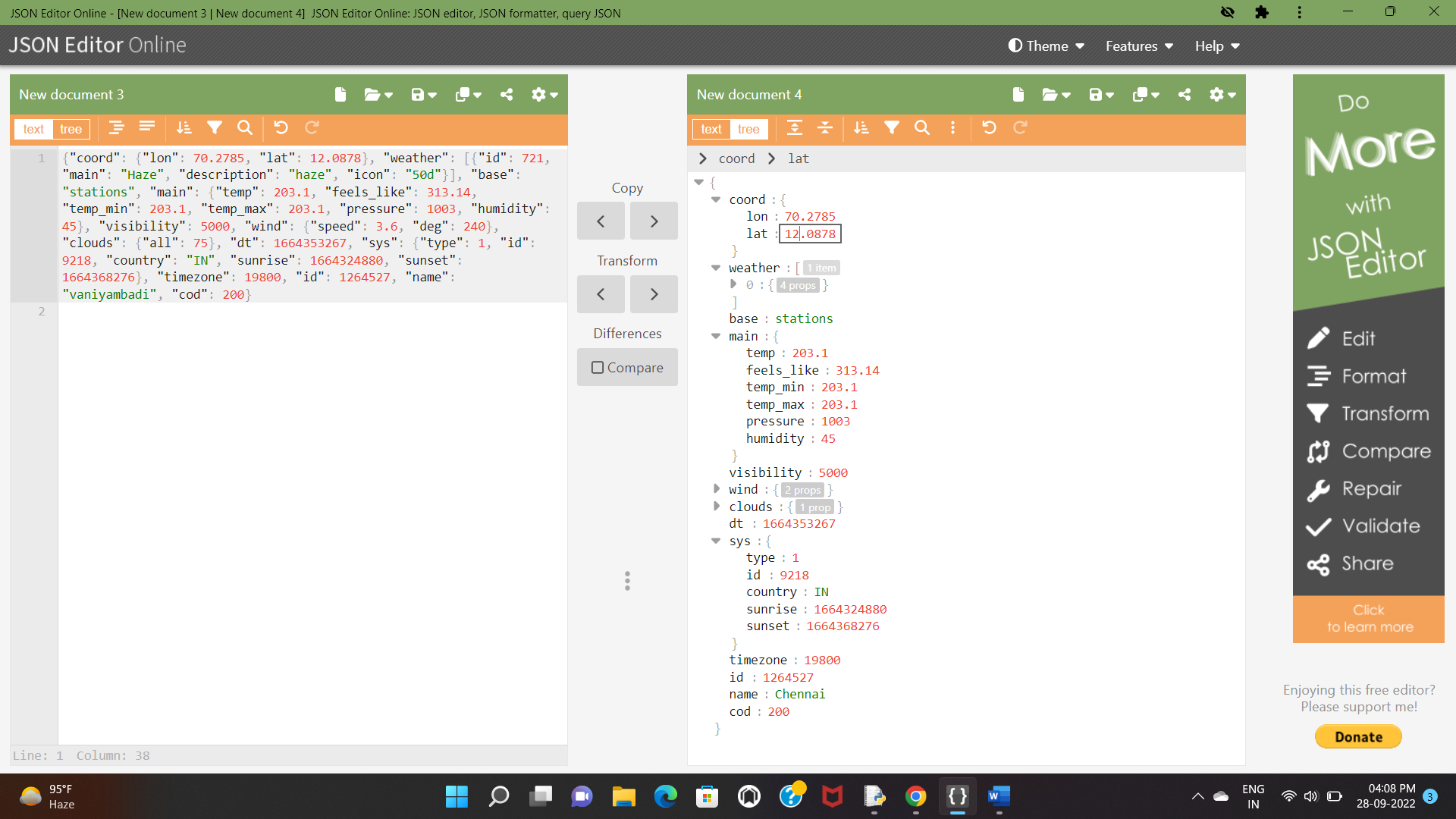
output:

<Response [200]>

{'coord': {'lon': 70.2785, 'lat': 12.0878}, 'weather': [{'id': 721, 'main': 'Haze', 'description': 'haze', 'icon': '50d'}], 'base': 'stations', 'main': {'temp': 203.1, 'feels\_like': 203.1, 'temp\_min': 203.1, 'temp\_max': 203.1, 'pressure': 1003, 'humidity': 45}, 'visibility': 5000, 'wind': {'speed': 3.6, 'deg': 240}, 'clouds': {'all': 75}, 'dt': 1664353267, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 1664324880, 'sunset': 1664368276}, 'timezone': 19800, 'id': 1264527, 'name': 'Vaniyambadi', 'cod': 200}

203.1

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