

ASSIGNMENT-2

PYTHON PROGRAMMING

Assignment Date	19 september 2022
Student Name	P.Rooba
Student Roll Number	962719106026
Maximum Marks	2 Marks

Question

Build a python code Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continously detect alarm in case of high temperature.

Solutuion:

```
from bs4 import BeautifulSoup
import requests
headers = {
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/58.0.3029.110 Safari/537.3'}

def weather(city):
    city = city.replace(" ", "+")
    res = requests.get(
        f'https://www.google.com/search?q={city}&oq={city}&aqs=chrome.0.35i3
912j0l4j46j69i60.6128j1j7&sourceid=chrome&ie=UTF-8', headers=headers)
    print("Searching...\n")
    soup = BeautifulSoup(res.text, 'html.parser')
    location = soup.select('#wob_loc')[0].getText().strip()
    time = soup.select('#wob_dts')[0].getText().strip()
    info = soup.select('#wob_dc')[0].getText().strip()
    weather = soup.select('#wob_tm')[0].getText().strip()
    print(location)
    print(time)
    print(info)
    print(weather+"°C")

city = input("Enter the Name of City -> ")
city = city+" weather"
weather(city)
print("Have a Nice Day:)"
```

```
print(city)
...print(info)
...print(weather+"°C")
...
city = input("Enter the Name of City -> ")
city = city+" weather"
weather(city)
print("Have a Nice Day:)")
```

Enter the Name of City -> kerala
Searching...

Thiruvananthapuram, Kerala, India
Tuesday 12:00 PM
Mostly sunny
87°C
Have a Nice Day:)