Assignment-2

Submitted by

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PROBLEM STATEMENT: 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.

Python code for the above problem statement

```
import pywhatkit
import random
from datetime import datetime
n = 10
while n > 0:
    date_time = str(datetime.now())
    t = random.randint(30, 45)
    print("Temperature:",t)
    h = random.randint(30, 75)
    print("Humidity:",h)
    if t > 36:
        pywhatkit.sendwhatmsg("+918220308951",
"HIGH TEMP DETECTED", int(date_time[11:13]),
int(date_time[14:16]) + 1)

    n = n - 1
```

Working of the code:

The temperature and humidity values are generated in a random manner using random library. The temperature of 36 degree celcius is set as optimum. If temperature exceeds the optimum value, then a whatsapp message denoting “HIGH TEMP DETECTED” is sent. This is done using pywhatkit library.

Output

```
C:\Users\HP.LAPTOP-U8QGQJFE\PycharmProjects\q4\venv\Scripts\python.exe C:\Users\HP.LAPTOP-U8QGQJFE\AppData\Roaming\JetBrains\PyCharmCE2022.2\scratches\scratch.py
Temperature: 36
Humidity: 35
Temperature: 40
Humidity: 59
In 40 Seconds WhatsApp will open and after 15 Seconds Message will be Delivered!
Temperature: 33
Humidity: 49
Temperature: 43
Humidity: 44
In 44 Seconds WhatsApp will open and after 15 Seconds Message will be Delivered!
Temperature: 33
Humidity: 68
Temperature: 41
Humidity: 34
In 44 Seconds WhatsApp will open and after 15 Seconds Message will be Delivered!
Temperature: 34
Humidity: 61
Temperature: 30
Humidity: 71
Temperature: 34
Humidity: 68
Temperature: 35
Humidity: 73
```