

## ASSIGNMENT 2

Date	30 September 2022
Team ID	PNT2022TMID23797
Project Name	Real time river water quality monitoring and Control System
Maximum Marks	2 Marks

### CODE:

```
import random

import time

import winsound

while(1):

    temp = random.randint(0,100)

    humidity = random.randint(0,100)

    if temp>50:

        print("ALERT!! Detected temperature: "+str(temp)+"c")

        duration=5000

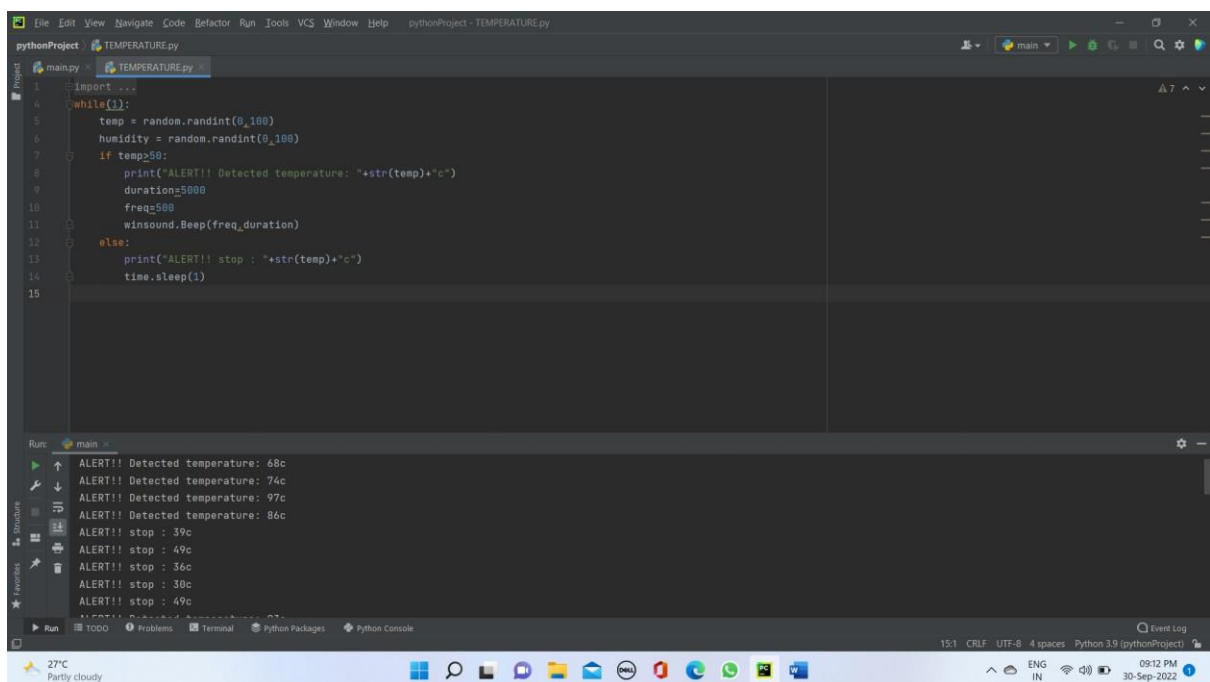
        freq=500

        winsound.Beep(freq,duration)

    else:

        print("ALERT!! stop : "+str(temp)+"c")

        time.sleep(1)
```



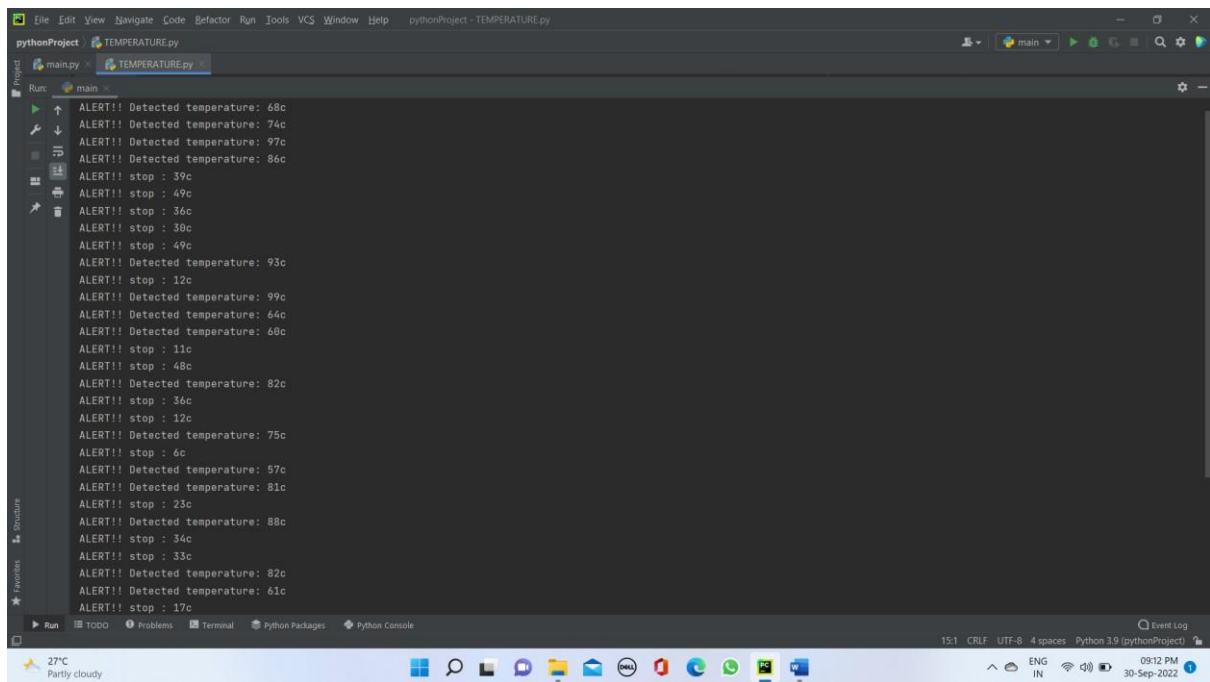
```
pythonProject - TEMPERATURE.py
1 import random
2 while(1):
3     temp = random.randint(0,100)
4     humidity = random.randint(0,100)
5     if temp>50:
6         print("ALERT!! Detected temperature: "+str(temp)+"c")
7         duration=5000
8         freq=500
9         winsound.Beep(freq,duration)
10    else:
11        print("ALERT!! stop : "+str(temp)+"c")
12        time.sleep(1)
13
14
15
```

Run: main

```
ALERT!! Detected temperature: 68c
ALERT!! Detected temperature: 74c
ALERT!! Detected temperature: 97c
ALERT!! Detected temperature: 86c
ALERT!! stop : 39c
ALERT!! stop : 49c
ALERT!! stop : 36c
ALERT!! stop : 30c
ALERT!! stop : 49c
```

15:1 CRJF UTF-8 4 spaces Python 3.9 (pythonProject) 09:12 PM 30-Sep-2022

## OUTPUT:



```
pythonProject - TEMPERATURE.py
main.py x TEMPERATURE.py
Run: main x
ALERT!! Detected temperature: 68c
ALERT!! Detected temperature: 74c
ALERT!! Detected temperature: 97c
ALERT!! Detected temperature: 86c
ALERT!! stop : 39c
ALERT!! stop : 49c
ALERT!! stop : 36c
ALERT!! stop : 30c
ALERT!! stop : 49c
ALERT!! Detected temperature: 93c
ALERT!! stop : 12c
ALERT!! Detected temperature: 99c
ALERT!! Detected temperature: 64c
ALERT!! Detected temperature: 60c
ALERT!! stop : 11c
ALERT!! stop : 48c
ALERT!! Detected temperature: 82c
ALERT!! stop : 36c
ALERT!! stop : 12c
ALERT!! Detected temperature: 75c
ALERT!! stop : 6c
ALERT!! Detected temperature: 57c
ALERT!! Detected temperature: 81c
ALERT!! stop : 23c
ALERT!! Detected temperature: 88c
ALERT!! stop : 34c
ALERT!! stop : 33c
ALERT!! Detected temperature: 82c
ALERT!! Detected temperature: 61c
ALERT!! stop : 17c
```

27°C Partly cloudy 09:12 PM 30-Sep-2022