

ASSIGNMENT 2

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

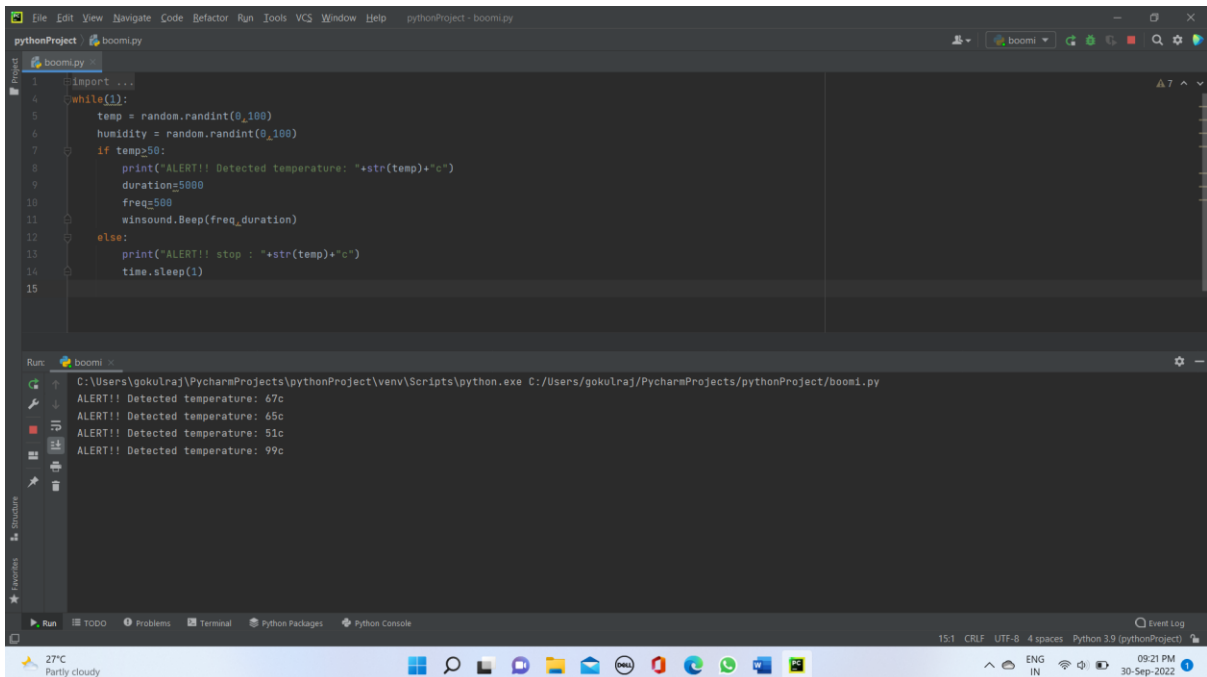
        freq=500

        winsound.Beep(freq,duration)

    else:

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

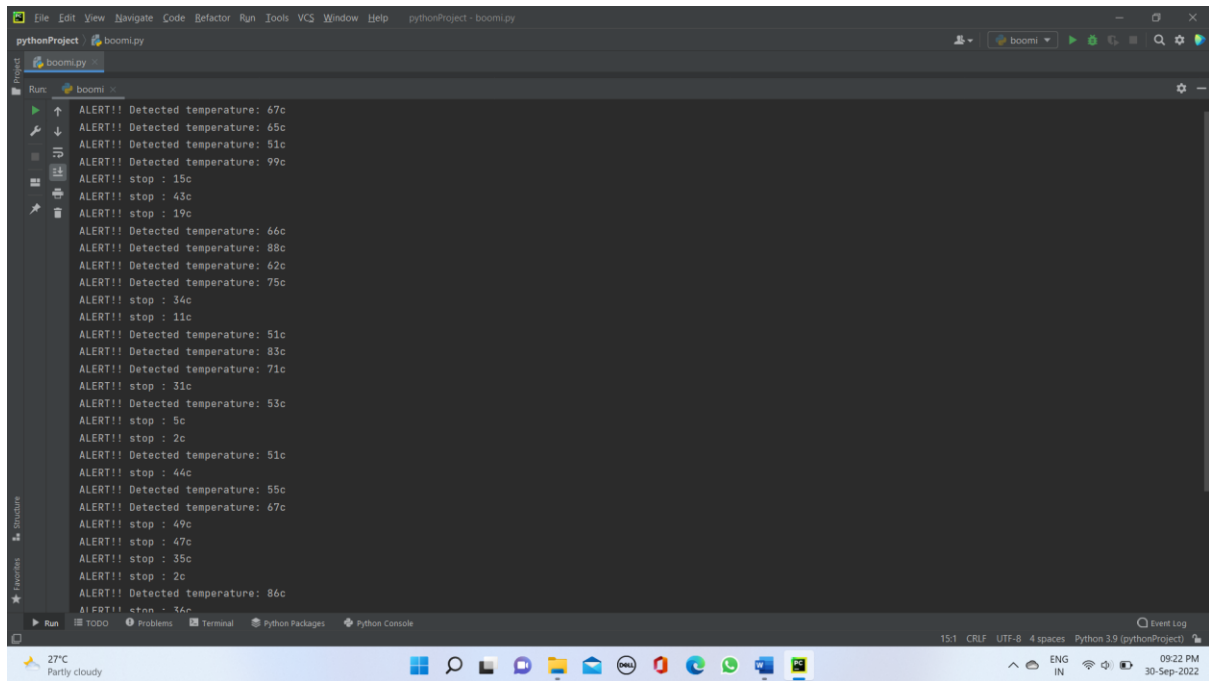
        time.sleep(1)
```



```
pythonProject boom1.py
1 import ...
4 while(1):
5     temp = random.randint(0,100)
6     humidity = random.randint(0,100)
7     if temp>50:
8         print("ALERT!! Detected temperature: "+str(temp)+"c")
9         duration=5000
10        freq=500
11        winsound.Beep(freq,duration)
12    else:
13        print("ALERT!! stop : "+str(temp)+"c")
14        time.sleep(1)
15

Run: boom1.py
C:\Users\gokulraj\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/gokulraj/PycharmProjects/pythonProject/boom1.py
ALERT!! Detected temperature: 67c
ALERT!! Detected temperature: 65c
ALERT!! Detected temperature: 51c
ALERT!! Detected temperature: 99c
```

OUTPUT:



```
pythonProject boom.py
ALERT!! Detected temperature: 67c
ALERT!! Detected temperature: 65c
ALERT!! Detected temperature: 51c
ALERT!! Detected temperature: 99c
ALERT!! stop : 15c
ALERT!! stop : 43c
ALERT!! stop : 19c
ALERT!! Detected temperature: 66c
ALERT!! Detected temperature: 88c
ALERT!! Detected temperature: 62c
ALERT!! Detected temperature: 75c
ALERT!! stop : 34c
ALERT!! stop : 11c
ALERT!! Detected temperature: 51c
ALERT!! Detected temperature: 83c
ALERT!! Detected temperature: 71c
ALERT!! stop : 31c
ALERT!! Detected temperature: 53c
ALERT!! stop : 5c
ALERT!! stop : 2c
ALERT!! Detected temperature: 51c
ALERT!! stop : 44c
ALERT!! Detected temperature: 55c
ALERT!! Detected temperature: 67c
ALERT!! stop : 49c
ALERT!! stop : 47c
ALERT!! stop : 35c
ALERT!! stop : 2c
ALERT!! Detected temperature: 86c
```