

## Assignment-1

### PythonProgramming

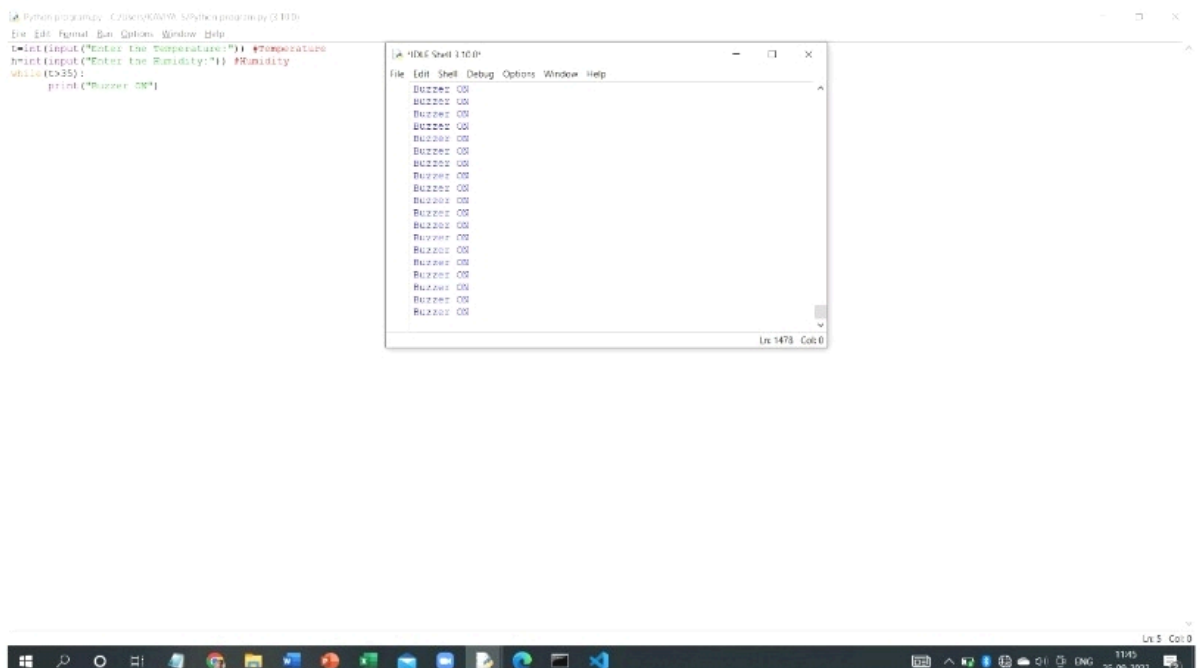
AssignmentDate	26September2022
StudentName	Ms.BRUNDHALAKSHMI A
StudentRollNumber	621319106010
MaximumMarks	2 Marks

#### Question-1:

Build a python code, Assume you get temperature and humidity values ( generated with randomfunction to a variable) and write a condition to continuously detect alarm in case of hightemperature.

Program:

```
t=int(input("Enter the Temperature:")) #Temperatureh=int(input("Enter the Humidity:"))
#Humiditywhile(t>35):
    print("BuzzerON")
```



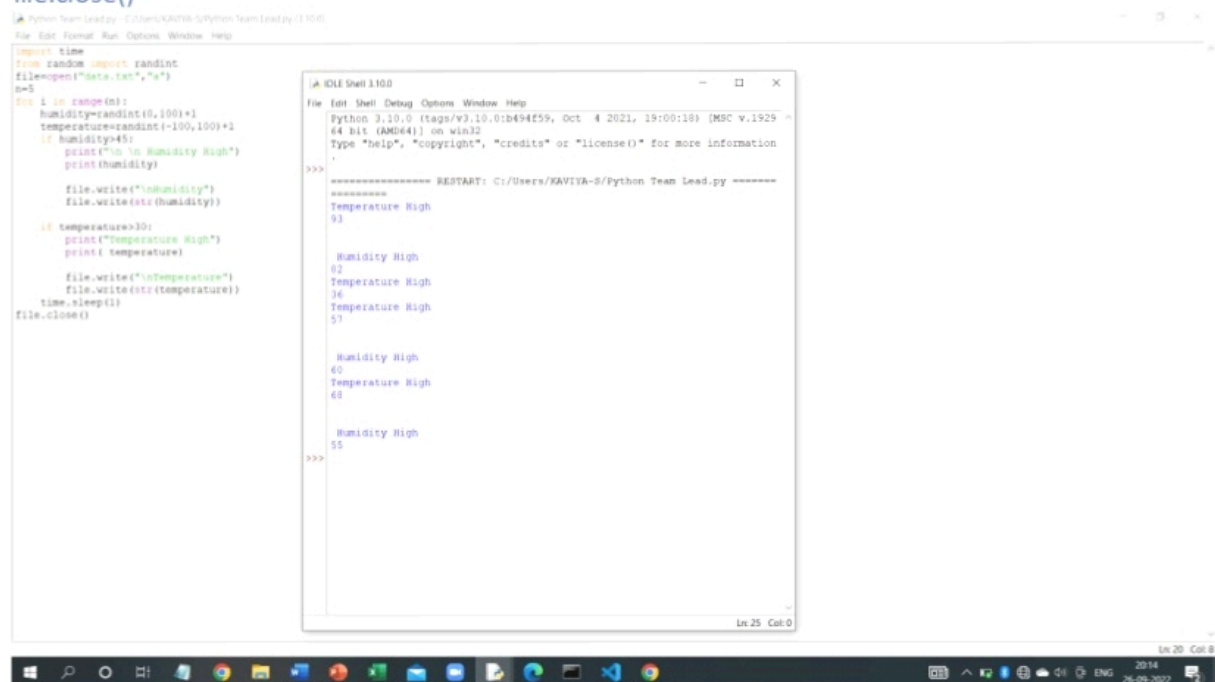
### Program:

```
import time
from random import randint
file=open("data.txt","a")
n=5
for i in range(n):
    humidity=randint(0,100)+1
    temperature=randint(-100,100)+1
    if humidity>45:
        print("\n \n Humidity High")
        print(humidity)

        file.write("\nHumidity")
        file.write(str(humidity))

    if temperature>30:
        print("Temperature High")
        print( temperature)

        file.write("\nTemperature")
        file.write(str(temperature))
    time.sleep(1)
file.close()
```



```
Python Team Lead.py - C:\Users\KAVIYA-S\Python Team Lead.py (3/10/21)
File Edit Format Run Options Window Help

import time
from random import randint
file=open("data.txt","a")
n=5
for i in range(n):
    humidity=randint(0,100)+1
    temperature=randint(-100,100)+1
    if humidity>45:
        print("\n \n Humidity High")
        print(humidity)
        file.write("\nHumidity")
        file.write(str(humidity))
    if temperature>30:
        print("Temperature High")
        print( temperature)
        file.write("\nTemperature")
        file.write(str(temperature))
    time.sleep(1)
file.close()
```

```
Python 3.10.0 (tags/v3.10.0:1b49f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information
>>>
===== RESTART: C:\Users\KAVIYA-S\Python Team Lead.py =====
Temperature High
93

Humidity High
92
Temperature High
36
Temperature High
57

Humidity High
60
Temperature High
68

Humidity High
55
>>>
```