Assignment -2
Python Programming
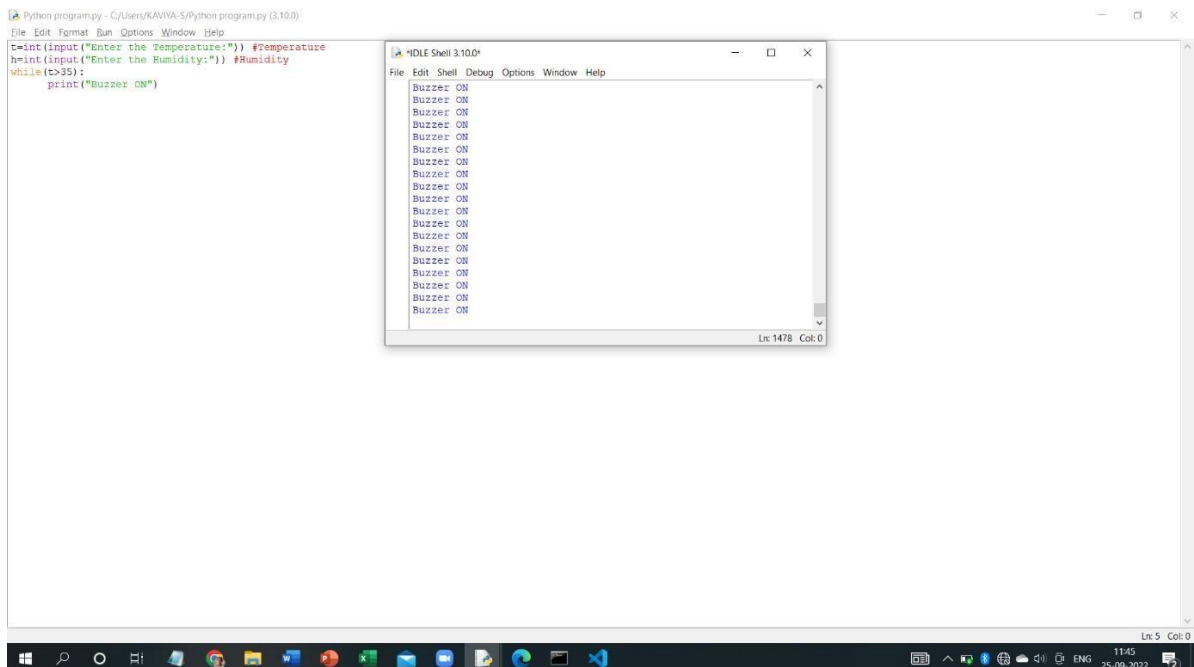
Assignment Date	26 September 2022
Student Name	jensy
Student Roll Number	210819106020
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume you 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.

Program:

```
t=int(input("Enter the Temperature:")) #Temperature h=int(input("Enter

the Humidity:")) #Humidity

while(t>35):print("Buzzer
```

```
    ON")
```

Program:
```python
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 (3.10.0)                                                    —    □    ×
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()
```

```
IDLE Shell 3.10.0                                                —    □    ×
File  Edit  Shell  Debug  Options  Window  Help
Python 3.10.0 (tags/v3.10.0:b494f59, 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
82
Temperature High
36
Temperature High
57


 Humidity High
60
Temperature High
68


 Humidity High
55
>>>
```