Assignment - 2

Student name	Abinandhini
Student roll number	1901071
Maximum marks	2 marks

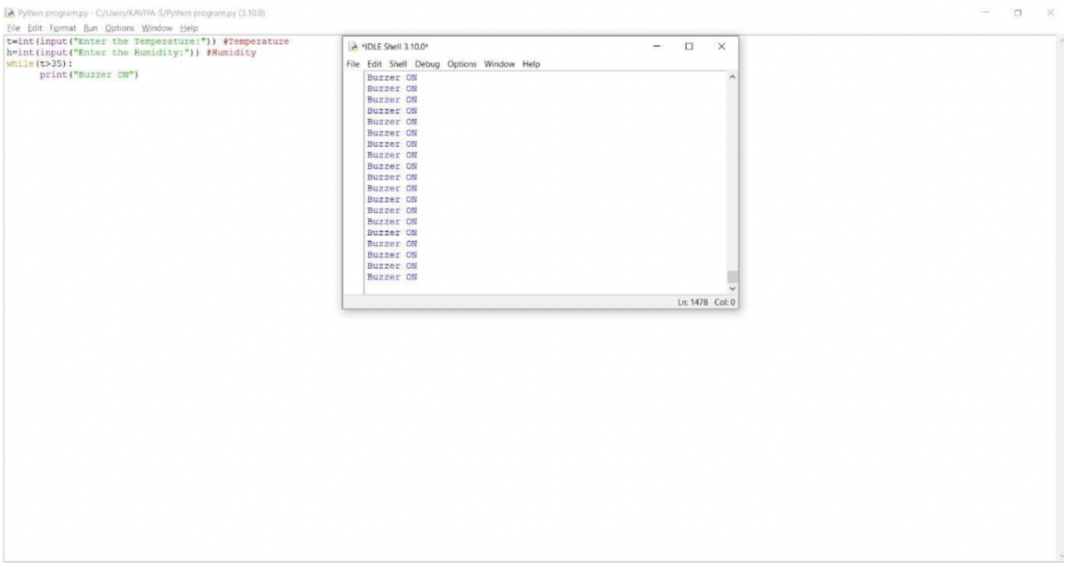
Question-1:

Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

Program:

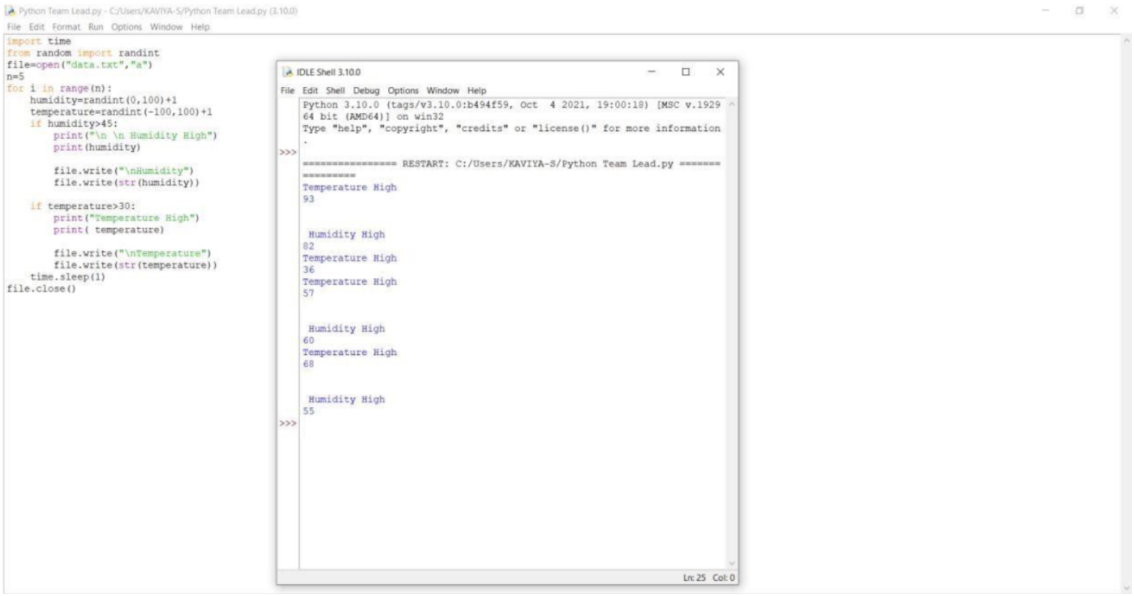
```
t=int(input("Enter the Temperature:")) #Temperature
h=int(input("Enter the Humidity:")) #Humidity

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



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 (3.10.0)
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
>>>
Ln: 25 Col: 0