## Assignment-1 PythonProgramming

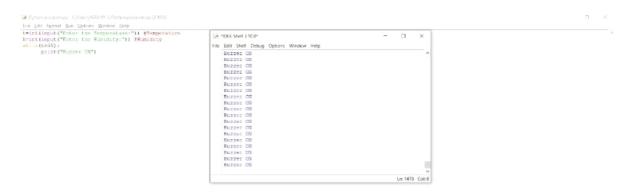
AssignmentDate	26September2022
StudentName	Ms. Kavipriya R
StudentRollNumber	621319106039
MaximumMarks	2 Marks

## 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()
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File East Format Run Options Window Help
Impart time
From random import randint
filemopen ("data.txt", "a")
                                                A IDLE Shell 3.10.0
    ism range(n):
humidity=randint(0,100)*1
temperature=randint(-100,100)*1
if humidity>45:
print("hum hamidity High")
print(humidity)
                                                File folf 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 "Delp", "copyright", "credits" or "license()" for more information
                                                    ----- RESTART: C:/Users/KAVIYA-S/Python Team Lead.py ---
        file.write("\nHumidity")
file.write(str(humidity))
                                                    Temperature High
     if temperature>30:
    print("Temperature High")
    print( temperature)
                                                    Humidity High
02
Temperature High
36
Temperature High
file.write("\nTemperature")
    file.write(str(temperature))
    time.sleep(1)
file.close()
                                                     Humidity High
                                                    60
Temperature High
68
                                                    Humidity High
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