

## ASSIGNMENT 2

### Python code for temperature and humidity

Assignment Date	16 November 2022
Student Name	Ayesha Parvez Alam
Student Roll Number	512219104003
Maximum Marks	2 Marks

**Question:**

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.

**Code:**

```
import time
from random import randint
file=open("info.txt","a")
n=5
for i in range(n):
    humidity=randint(0,50)+1
    temprature=randint(-50,50)+1
    if humidity>25:
```

```
print("\n\nHumidity High")
```

```
print(humidity)
```

```
file.write("\nHumidity")
```

```
file.write(str(humidity))
```

```
if temprature>30:
```

```
    print("Temprature High")
```

```
    print(temprature)
```

```
file.write("\nTempratue")
```

```
file.write(str(temprature))
```

```
time.sleep(1)
```

```
file.close()
```

Assignment 2leader.py - C:\Users\ayesha\AppData\Local\Programs\Python\Python38-32\Ass... — □ ×

File Edit Format Run Options Window Help

```
import time
from random import randint
file=open("info.txt","a")
n=5
for i in range(n):
    humidity=randint(0,50)+1
    temprature=randint(-50,50)+1
    if humidity>25:
        print("\n\nHumidity High")
        print(humidity)

        file.write("\nHumidity")
        file.write(str(humidity))
    if temprature>30:
        print("Temprature High")
        print(temprature)

        file.write("\nTemprature")
        file.write(str(temprature))
    time.sleep(1)
file.close()
```

```
Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\ayesha\AppData\Local\Programs\Python\Python38-32\Assignment
2leader.py

Humidity High
27
Temprature High
50

Humidity High
32
>>>
= RESTART: C:\Users\ayesha\AppData\Local\Programs\Python\Python38-32\Assignment
2leader.py

Humidity High
31

Humidity High
47
Temprature High
34
Temprature High
31
>>>
```

Ln: 29 Col: 4