## Assignment -1
Python Programming

| Assignment Date | 19 September 2022 |
|---|---|
| Student Name | Mr. Arul.B |
| Student Roll Number | 812419106006 |
| Maximum Marks | 2 Marks |

**Question-1:**

Build a python code, Assume u 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.

```python
import random
from time import sleep
def generate_values():
    temperature = random.randint(20, 50)
    humidity = random.randint(10, temperature)
    return humidity, temperature
humidity = temperature = 0
while temperature < 50:
    humidity, temperature = generate_values()
    print('Humidity:', humidity, 'Temperature:', temperature)
    sleep(0.50)
print('High Temperature Detected')
```

**OUTPUT:**

Humidity: 23 Temperature: 49

Humidity: 27 Temperature: 42

Humidity: 18 Temperature: 28

Humidity: 20 Temperature: 22

Humidity: 36 Temperature: 36

Humidity: 29 Temperature: 47

Humidity: 22 Temperature: 34

Humidity: 27 Temperature: 29

Humidity: 15 Temperature: 30

Humidity: 19 Temperature: 47

Humidity: 29 Temperature: 39

Humidity: 21 Temperature: 22

Humidity: 18 Temperature: 30

Humidity: 18 Temperature: 20

Humidity: 24 Temperature: 29

Humidity: 26 Temperature: 27

Humidity: 19 Temperature: 33

Humidity: 16 Temperature: 23

Humidity: 21 Temperature: 48

Humidity: 21 Temperature: 21

Humidity: 34 Temperature: 43
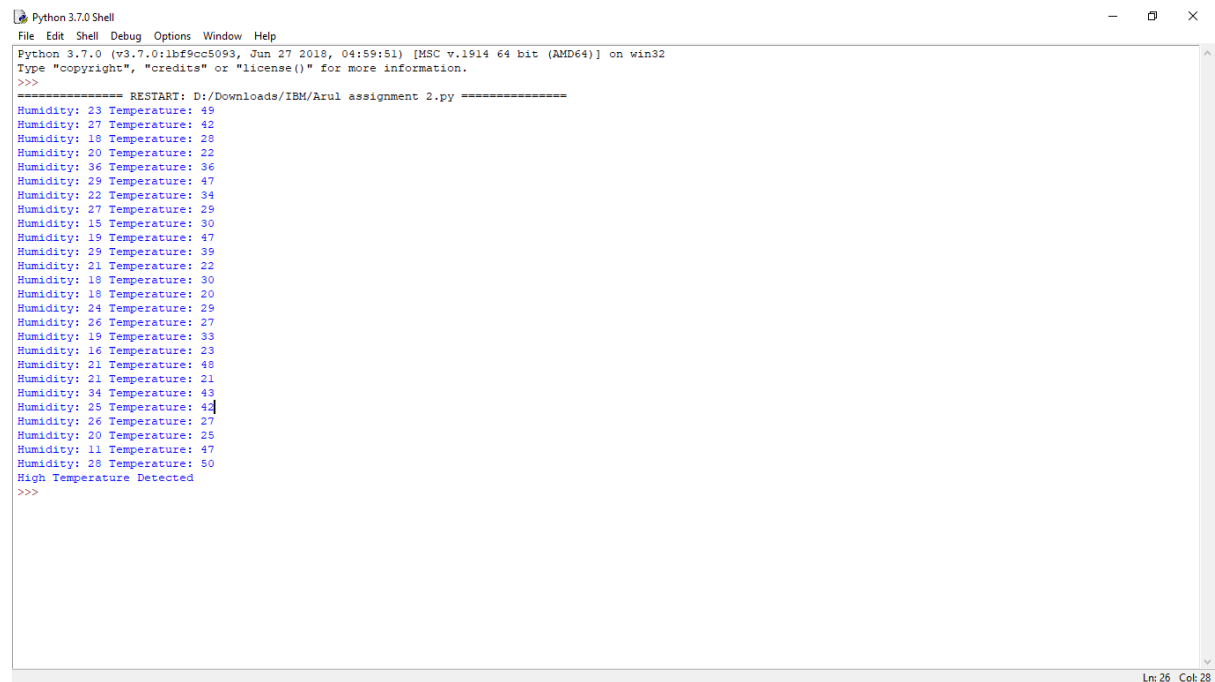
Humidity: 25 Temperature: 42

Humidity: 26 Temperature: 27

Humidity: 20 Temperature: 25

Humidity: 11 Temperature: 47

Humidity: 28 Temperature: 50

**High Temperature Detected**