

## Assignment -2

### Python Programming

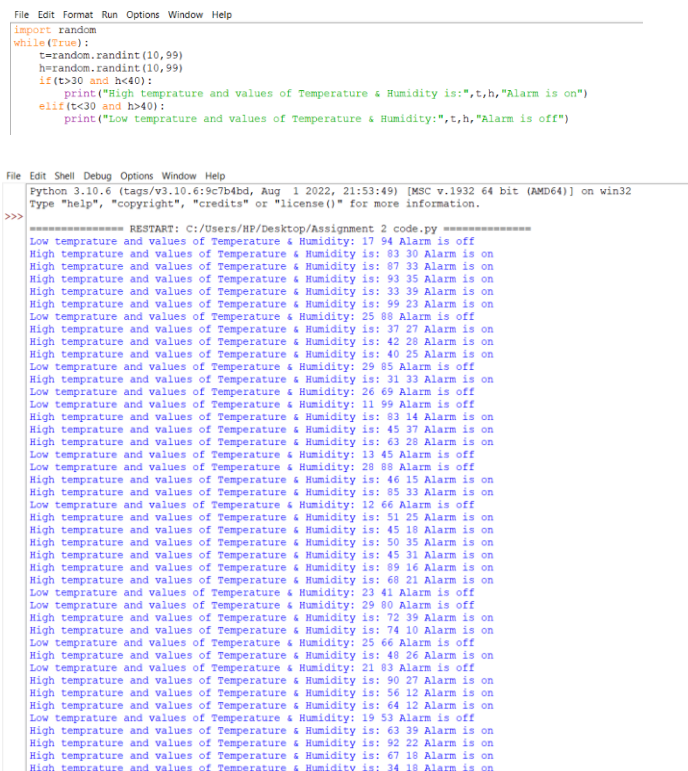
Assignment Date	27 September 2022
Student Name	THIVYANATH G
Student Roll Number	111519104159
Maximum Marks	2 Marks

#### 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.

#### Solution:

```
import random
while(True):
    t=random.randint(10,99)
    h=random.randint(10,99)
    if(t>30 and h<40):
        print("High temprature and values of Temperature & Humidity is:",t,h,"Alarm is on")
    elif(t<30 and h>40):
        print("Low temprature and values of Temperature & Humidity:",t,h,"Alarm is off")
```



The screenshot shows a Python IDE with the code from the solution block. The output window displays the results of the program's execution. It shows a series of random temperature (t) and humidity (h) values generated by the random module, followed by the corresponding alarm status (on or off) based on the conditions in the code. For example, it shows 'High temprature and values of Temperature & Humidity is: 17 94 Alarm is off' and 'Low temprature and values of Temperature & Humidity: 46 15 Alarm is on'.