

Assignment -2
Python Programming

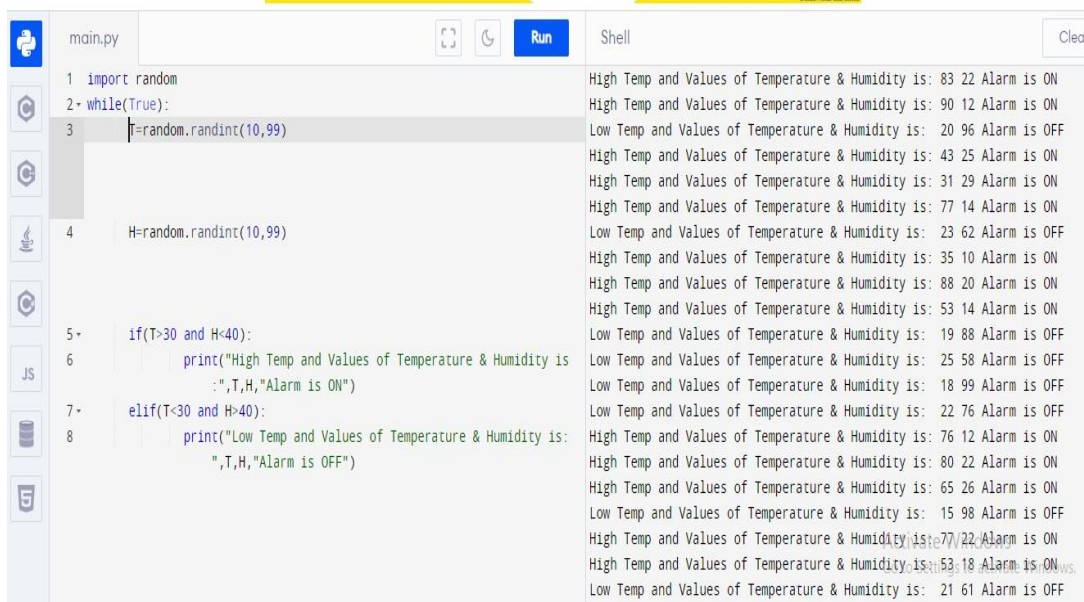
Assignment Date	15th october 2022
Student Name	SHRIYA MUKUNDAN
Student Roll Number	312319106147
Maximum Marks	2 Marks

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 Temp and Values of
Temperature & Humidity is:",T,H,"Alarm is
ON")
    elif(T<30 and H>40):
        print("Low Temp and Values of
Temperature & Humidity is: ",T,H,"Alarm is
OFF")
```



```
main.py Run Shell Clear
1 import random
2 while(True):
3     T=random.randint(10,99)
4     H=random.randint(10,99)
5     if(T>30 and H<40):
6         print("High Temp and Values of Temperature & Humidity is
: ",T,H,"Alarm is ON")
7     elif(T<30 and H>40):
8         print("Low Temp and Values of Temperature & Humidity is:
",T,H,"Alarm is OFF")

High Temp and Values of Temperature & Humidity is: 83 22 Alarm is ON
High Temp and Values of Temperature & Humidity is: 90 12 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 20 96 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 43 25 Alarm is ON
High Temp and Values of Temperature & Humidity is: 31 29 Alarm is ON
High Temp and Values of Temperature & Humidity is: 77 14 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 23 62 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 35 10 Alarm is ON
High Temp and Values of Temperature & Humidity is: 88 20 Alarm is ON
High Temp and Values of Temperature & Humidity is: 53 14 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 19 88 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 25 58 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 18 99 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 22 76 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 76 12 Alarm is ON
High Temp and Values of Temperature & Humidity is: 80 22 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 65 26 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 15 98 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 77 22 Alarm is ON
High Temp and Values of Temperature & Humidity is: 53 18 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 21 61 Alarm is OFF
```

