

**Assignment -2**  
Python Programming

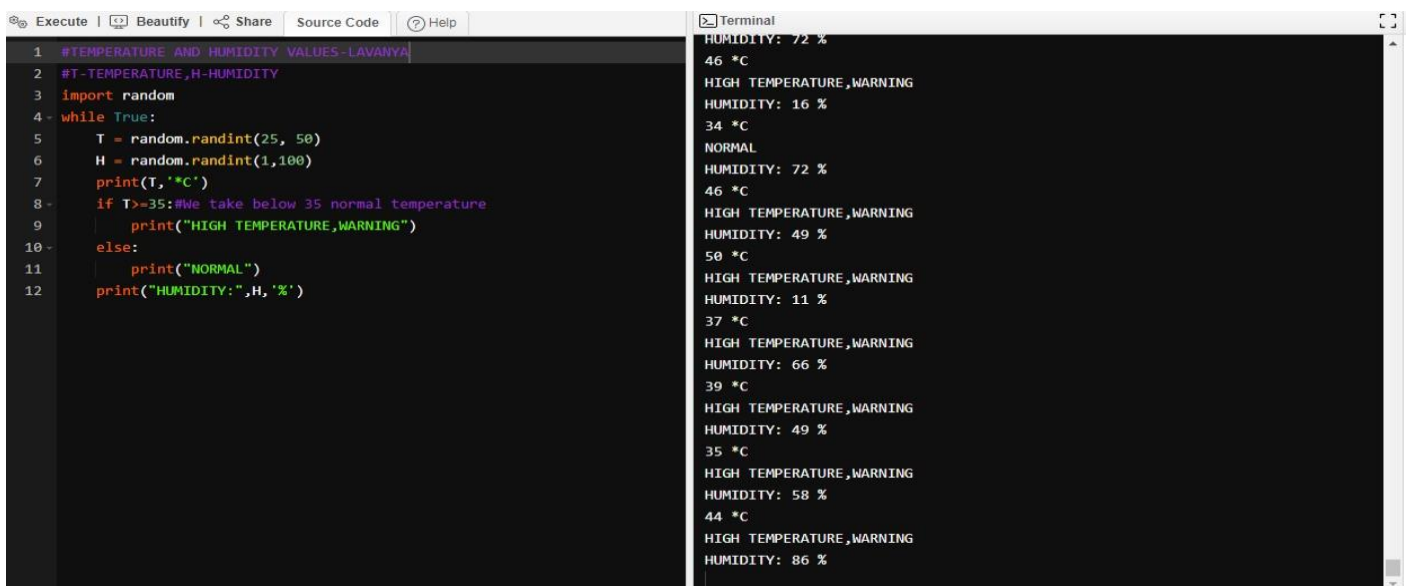
Assignment Date	21 September 2022
Student Name	LAVANYA A.P
Student Roll Number	513419106018
Maximum Marks	

**Question-1:**

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.

**Solution:**

```
#TEMPERATURE AND HUMIDITY VALUES-LAVANYA
#T-TEMPERATURE,H-HUMIDITY
import random
while True:
    T = random.randint(25, 50)
    H = random.randint(1,100)
    print(T,'*C')
    if T>=35:#We take below 35 normal temperature
        print("HIGH TEMPERATURE,WARNING")
    else:
        print("NORMAL")
    print("HUMIDITY:",H,'%')
```



The screenshot shows a Python code editor with a dark theme. The code is as follows:

```
1 #TEMPERATURE AND HUMIDITY VALUES-LAVANYA
2 #T-TEMPERATURE,H-HUMIDITY
3 import random
4 while True:
5     T = random.randint(25, 50)
6     H = random.randint(1,100)
7     print(T,'*C')
8     if T>=35:#We take below 35 normal temperature
9         print("HIGH TEMPERATURE,WARNING")
10    else:
11        print("NORMAL")
12    print("HUMIDITY:",H,'%')
```

The terminal output on the right shows the following sequence of results:

```
HUMIDITY: 72 %
46 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 16 %
34 *C
NORMAL
HUMIDITY: 72 %
46 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 49 %
50 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 11 %
37 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 66 %
39 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 49 %
35 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 58 %
44 *C
HIGH TEMPERATURE,WARNING
HUMIDITY: 86 %
```

