

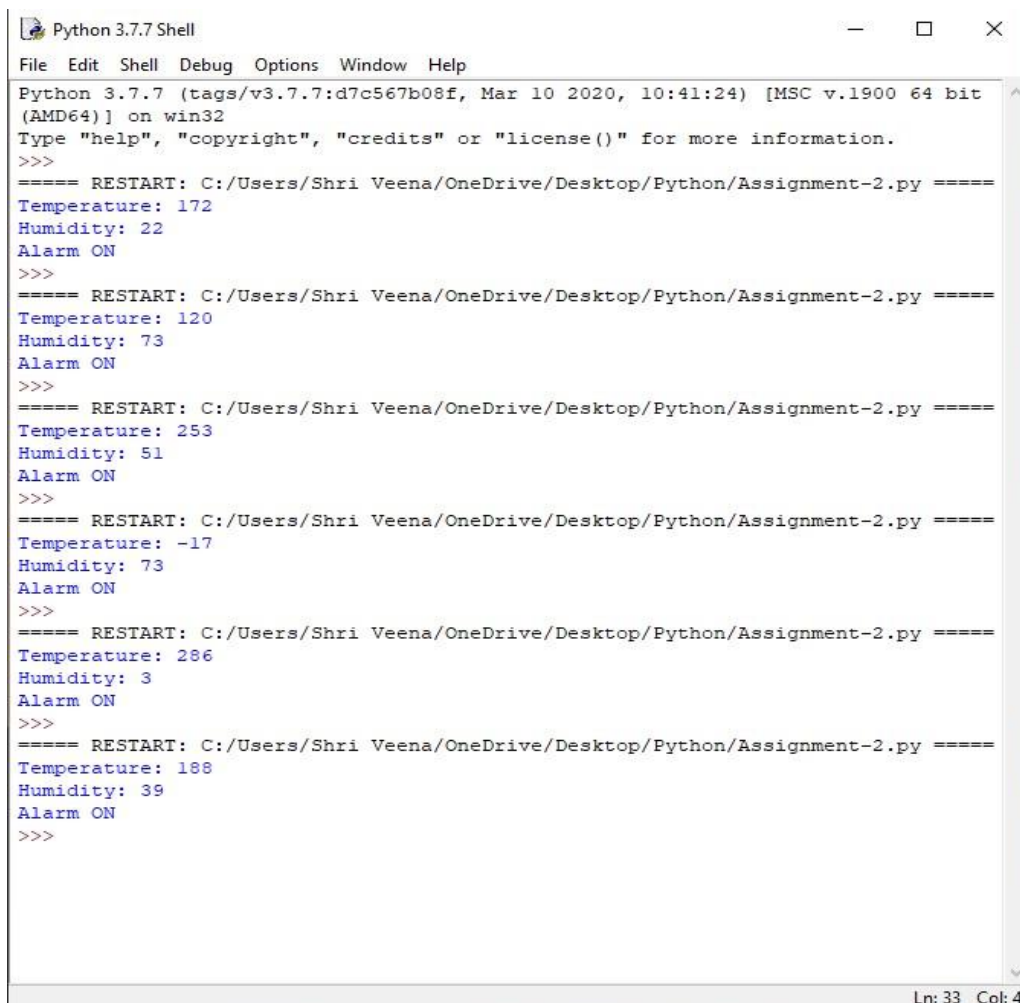
ASSIGNMENT – 02

Build a python code, generate temperature and humidity values (Use Random function to generate values) and write a condition to detect an alarm in case of high temperature and high humidity

Python Code:

```
import random
temperature=random.randint(-50,300)
humidity=random.randint(0,100)
print("Temperature:",temperature)
print("Humidity:",humidity)
if((temperature>30)or(humidity>30)):
    print("Alarm ON")
else:
    print("Alarm OFF")
```

Output:



```
Python 3.7.7 Shell
File Edit Shell Debug Options Window Help
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 10:41:24) [MSC v.1900 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: 172
Humidity: 22
Alarm ON
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: 120
Humidity: 73
Alarm ON
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: 253
Humidity: 51
Alarm ON
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: -17
Humidity: 73
Alarm ON
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: 286
Humidity: 3
Alarm ON
>>>
===== RESTART: C:/Users/Shri Veena/OneDrive/Desktop/Python/Assignment-2.py =====
Temperature: 188
Humidity: 39
Alarm ON
>>>
```

Ln: 33 Col: 4