

Assignment -2

Python Programming

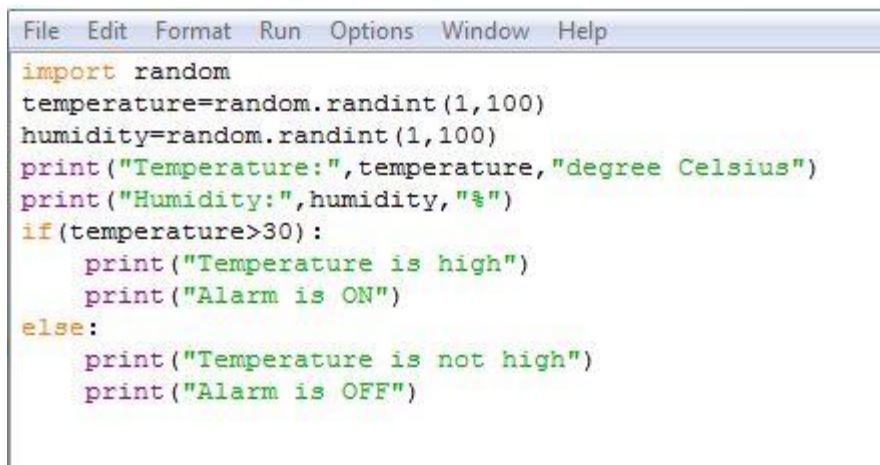
Assignment Date	28 September 2022
Student Name	Ms. RESHMA S
Student Roll Number	962819106032
Maximum Marks	2 Marks

Question:

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
temperature=random.randint(1,100)
humidity=random.randint(1,100)
print("Temperature:",temperature,"degree Celsius")
print("Humidity:",humidity,"%")
if(temperature>30):
    print("Temperature is high")
    print("Alarm is ON")
else:
    print("Temperature is not high")
    print("Alarm is OFF")
```

A screenshot of a Python IDE window. The window has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code editor contains the same Python code as shown in the previous block, with syntax highlighting: 'import' is blue, 'random' is black, 'temperature=' is black, 'random.randint(1,100)' is black, 'humidity=' is black, 'random.randint(1,100)' is black, 'print(' is black, 'Temperature:' is black, 'temperature,' is black, 'degree Celsius')' is black, 'print(' is black, 'Humidity:' is black, 'humidity,' is black, '%' is black, 'if(' is black, 'temperature>30):' is black, 'print(' is black, 'Temperature is high')' is black, 'print(' is black, 'Alarm is ON')' is black, 'else:' is black, 'print(' is black, 'Temperature is not high')' is black, and 'print(' is black, 'Alarm is OFF')' is black.

```
File Edit Format Run Options Window Help
import random
temperature=random.randint(1,100)
humidity=random.randint(1,100)
print("Temperature:",temperature,"degree Celsius")
print("Humidity:",humidity,"%")
if(temperature>30):
    print("Temperature is high")
    print("Alarm is ON")
else:
    print("Temperature is not high")
    print("Alarm is OFF")
```

```
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Welcome\Desktop\IBM\Python\Assignment.py =====
Temperature: 44 degree Celsius
Humidity: 78 %
Temperature is high
Alarm is ON
>>> |
```