

**Assignment -2**  
Python Programming

Assignment Date	21September 2022
Student Name	M.RITHIKA
Student Roll Number	815119106034
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:**

**PROGRAM**

```
# importing randint function
# from random module
from random import randint

# Function which generates a new
# random number everytime it executes
def generator_temp():
    return randint(1,200)
def generator_humidity():
    return randint(1,200)
random_temperature=generator_temp()
print("TEMPERATURE:",random_temperature)
random_humidity=generator_humidity()
print("HUMIDITY:",random_humidity)
if random_temperature not in range(23,30,1):
    print("CAUTION!UNFAVORABLETEMPERATURE")
if random_humidity not in range(60,80,1):
    print("CAUTION!UNFAVORABLE HUMIDITY")
```

```
rt.py - C:/Users/angel/OneDrive/Desktop/rt.py (3.10.7)
File Edit Format Run Options Window Help

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    print("CAUTION!UNFAVORABLE TEMPERATURE")
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|
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc8b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: c:/Users/angel/OneDrive/Desktop/rt.py =====
TEMPERATURE: 140
HUMIDITY: 49
CAUTION!UNFAVORABLE TEMPERATURE
CAUTION!UNFAVORABLE HUMIDITY
>>>
```

