

Assignment -2

Python Programming

Assignment Date	28 September 2022
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Student Roll Number	91761914028
Maximum Marks	2 Marks

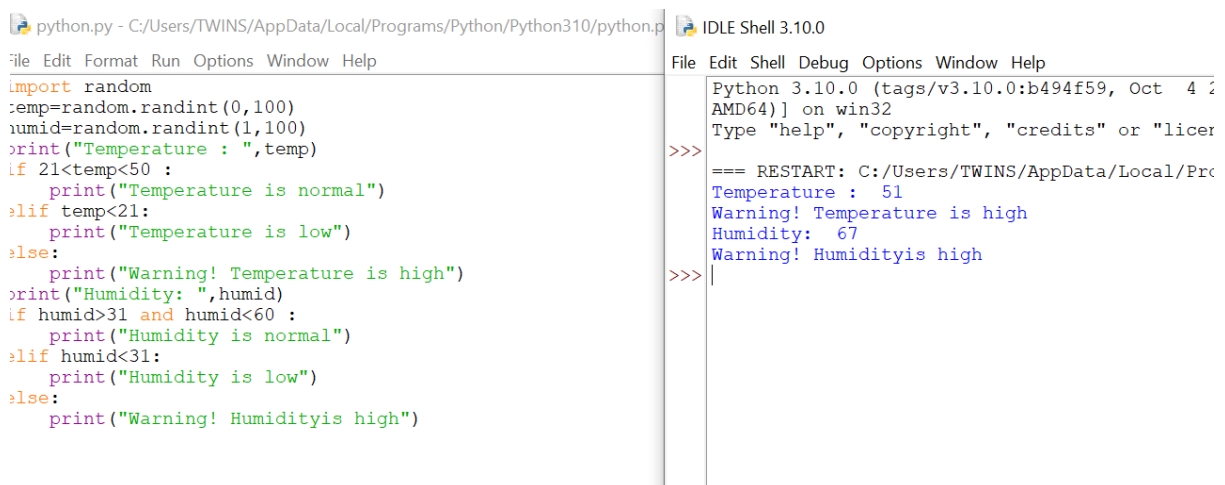
Question-1:

Build a python code, assume u get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

PROGRAM

```
import random
temp=random.randint(0,100)
humid=random.randint(1,100)
print("Temperature : ",temp)
if 21< temp<50 :
    print("Temperature is normal")
elif temp<21:
    print("Temperature is low")
else:
    print("Warning! Temperature is high")
print("Humidity: ",humid)
if humid>31 and humid<60 :
    print("Humidity is normal")
elif humid<31:
    print("Humidity is low")
else:
    print("Warning! Humidity is high")
```

OUTPUT



The screenshot displays a Python IDE with two windows. The left window, titled 'python.py', contains the Python code for generating random temperature and humidity values and checking for high temperature or low humidity. The right window, titled 'IDLE Shell 3.10.0', shows the execution output. The code has been executed, resulting in the following output: 'Temperature : 51', 'Warning! Temperature is high', 'Humidity: 67', and 'Warning! Humidity is high'.

```
python.py - C:/Users/TWINS/AppData/Local/Programs/Python/Python310/python.p
IDLE Shell 3.10.0

File Edit Format Run Options Window Help
import random
temp=random.randint(0,100)
humid=random.randint(1,100)
>print("Temperature : ",temp)
if 21<temp<50 :
    print("Temperature is normal")
elif temp<21:
    print("Temperature is low")
else:
    print("Warning! Temperature is high")
>print("Humidity: ",humid)
if humid>31 and humid<60 :
    print("Humidity is normal")
elif humid<31:
    print("Humidity is low")
else:
    print("Warning! Humidity is high")

File Edit Shell Debug Options Window Help
Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2
AMD64) on win32
Type "help", "copyright", "credits" or "licen
>>>
=== RESTART: C:/Users/TWINS/AppData/Local/Pro
Temperature : 51
Warning! Temperature is high
Humidity: 67
Warning! Humidity is high
>>>
```

