

Date	22 September 2022
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Student Register Number/Roll Number	211419106012 / 2019PECEC106
Maximum Marks	2 Marks

ASSIGNMENT - 2

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 temperature.

PROGRAM:

```
import random
```

```
from time import *
```

```
count=True
```

```
while(count):
```

```
    temp=random.randint(0,50)
```

```
    humid=random.randint(10,50)
```

```
    if temp>45 and humid<40:
```

```
        print("Temperature=",temp,"Humidity=",humid)
```

```
        print("ALARM ON")
```

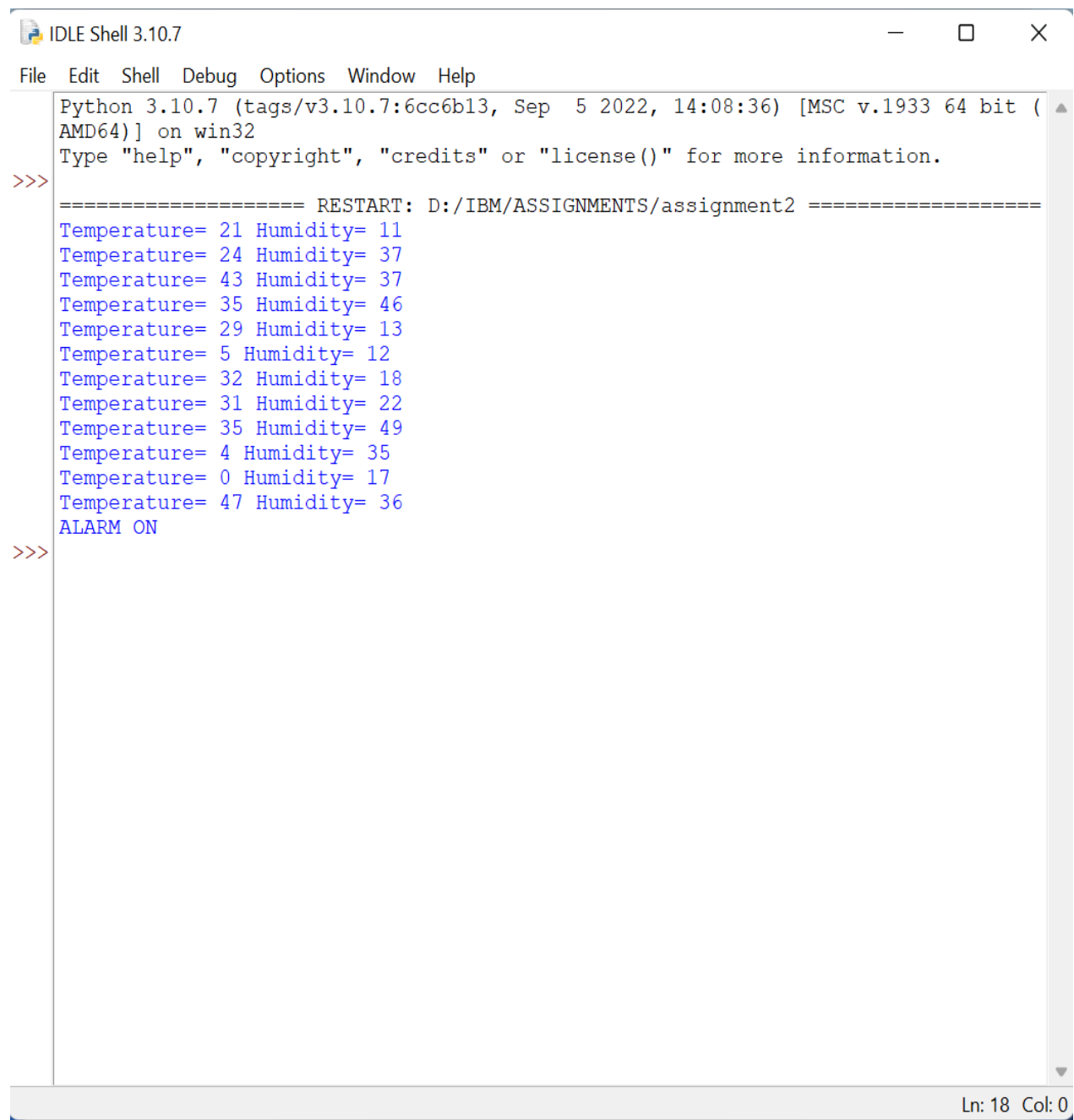
```
        count=False
```

else:

```
print("Temperature=",temp,"Humidity=",humid)
```

```
sleep(1)
```

OUTPUT:



The screenshot shows a Python IDLE Shell window titled 'IDLE Shell 3.10.7'. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell displays the following text:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/IBM/ASSIGNMENTS/assignment2 =====
Temperature= 21 Humidity= 11
Temperature= 24 Humidity= 37
Temperature= 43 Humidity= 37
Temperature= 35 Humidity= 46
Temperature= 29 Humidity= 13
Temperature= 5 Humidity= 12
Temperature= 32 Humidity= 18
Temperature= 31 Humidity= 22
Temperature= 35 Humidity= 49
Temperature= 4 Humidity= 35
Temperature= 0 Humidity= 17
Temperature= 47 Humidity= 36
ALARM ON
>>>
```

The status bar at the bottom right indicates 'Ln: 18 Col: 0'.