

Assignment -2

Python Programming

Assignment Date	22 September 2022
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Maximum Marks	2 Marks

PYTHON CODE TO GET TEMPERATURE AND HUMIDITY (Generated with random function to a variable)

PYTHON CODE :

```
import random

from time import *

cast=True

while(cast):

t=random.randint(10,60)

h=random.randint(20,50)

if t>45 and h<40:

print("Temperature=",t,"Humidity=",h)
```

```
print("ALARM ON")

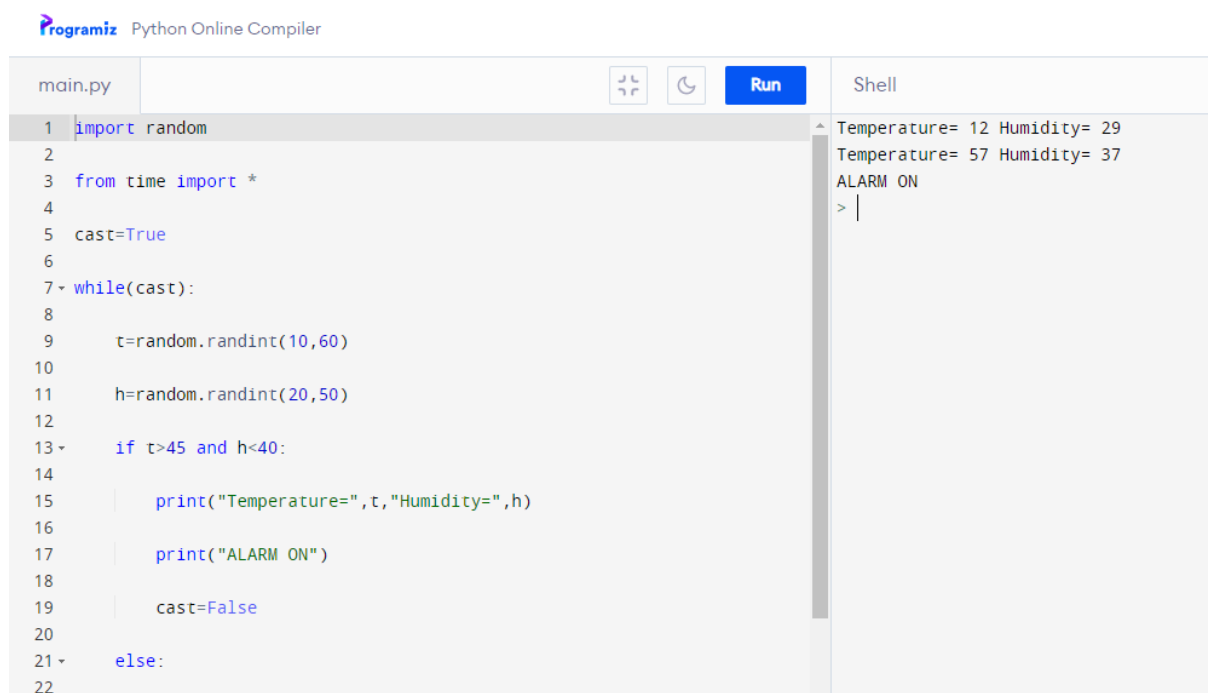
cast=False

else:

print("Temperature=",t,"Humidity=",h)

sleep(1)
```

OUTPUT :



The screenshot shows a web-based Python compiler interface. The top bar includes the 'Programiz' logo and the text 'Python Online Compiler'. Below this is a code editor with a file named 'main.py'. The code in the editor is as follows:

```
1 import random
2
3 from time import *
4
5 cast=True
6
7 while(cast):
8
9     t=random.randint(10,60)
10
11     h=random.randint(20,50)
12
13     if t>45 and h<40:
14
15         print("Temperature=",t,"Humidity=",h)
16
17         print("ALARM ON")
18
19         cast=False
20
21     else:
22
```

To the right of the code editor is a 'Shell' window displaying the output of the program. The output shows two lines of temperature and humidity data, followed by the alarm message and a prompt character.

```
Temperature= 12 Humidity= 29
Temperature= 57 Humidity= 37
ALARM ON
> |
```