

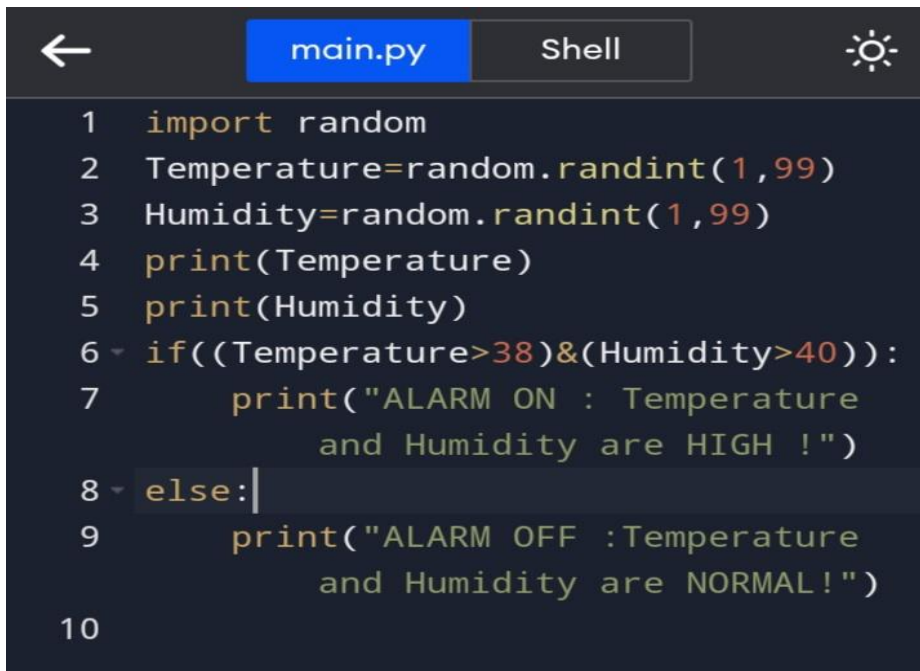
ASSIGNMENT - 2

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.



PYTHON CODE

```
import random
Temperature=random.randint(1,99)
Humidity=random.randint(1,99)
print(Temperature)
print(Humidity)
if((Temperature>38)&(Humidity>40)):
    print("ALARM ON : Temperature and Humidity are HIGH !")
else:
    print("ALARM OFF :Temperature and Humidity are NORMAL!")
```



INPUT

A screenshot of a Python IDE interface. At the top, there is a navigation bar with a back arrow, a tab labeled 'main.py' in a blue box, and a 'Shell' button. To the right of the 'Shell' button is a settings icon (a sun with a gear). Below the navigation bar, the code from the 'PYTHON CODE' section is displayed in a dark-themed editor with line numbers 1 through 10 on the left. The code is syntax-highlighted: keywords like 'import', 'if', 'else:', and 'print' are in orange; function names like 'randint' are in green; and string literals are in light green. The cursor is positioned at the end of line 8, after the 'else:' statement.

```
1 import random
2 Temperature=random.randint(1,99)
3 Humidity=random.randint(1,99)
4 print(Temperature)
5 print(Humidity)
6 if((Temperature>38)&(Humidity>40)):
7     print("ALARM ON : Temperature
          and Humidity are HIGH !")
8 else:
9     print("ALARM OFF :Temperature
          and Humidity are NORMAL!")
10
```

main.pyShell

```
96
91
ALARM ON : Temperature and Humidity are
    HIGH !
> |
```

main.pyShell

```
17
48
ALARM OFF :Temperature and Humidity are
    NORMAL !
> |
```