

```
# Jean Carlo c. Castillon SBIT 3M
# This program finds the minimum value in a list of integers
def find_min(numbers):
    min_val = numbers[0] # assume the first number is the minimum
    for num in numbers:
        if num < min_val:
            min_val = num
    return min_val

# Test the program with a list of integers in ascending order
numbers = [1, 2, 3, 4, 5]
print("The minimum value is:", find_min(numbers))
```

The screenshot displays the Visual Studio Code editor with a dark theme. On the left sidebar, the Explorer view shows a file named 'bestcase.py'. The main editor area contains the code for this file. The code defines a function 'find_min' that takes a list of integers and returns the minimum value. It also includes a test case where the function is called with the list [1, 2, 3, 4, 5], and the result is printed. Below the editor, the TERMINAL panel is active, showing the command prompt output of running the script. The output confirms that the minimum value found is 1. The status bar at the bottom indicates the current cursor position (Ln 12, Col 50) and other system information like time and date.

```
system > core > bestcase.py > ...
1 # Jean Carlo c. Castillon SBIT 3M
2 # This program finds the minimum value in a List of integers
3 def find_min(numbers):
4     min_val = numbers[0] # assume the first number is the minimum
5     for num in numbers:
6         if num < min_val:
7             min_val = num
8     return min_val
9
10 # Test the program with a list of integers in ascending order
11 numbers = [1, 2, 3, 4, 5]
12 print("The minimum value is:", find_min(numbers))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\xampp\htdocs\Online_Learning_Management_System\system> & C:/Users/jeanc/AppData/Local/Programs/Python/Python311/python.exe c:/xampp\htdocs/O
nline_Learning_Management_System/system/core/bestcase.py
The minimum value is: 1
PS C:\xampp\htdocs\Online_Learning_Management_System\system>
```