

The screenshot shows the Visual Studio Code interface with a dark theme. The left sidebar has icons for file operations like Open, Save, Find, and Delete. The main editor window displays a Python script named `grp7_tiqui_ex6.py`. The code defines a function `find_max_of_three` that takes three parameters (`x`, `y`, `z`) and returns their maximum value. It then prints a message indicating the result. Below the editor is a terminal window showing the output of running the script with inputs 54, 22, and 39, which correctly outputs 54. The bottom status bar shows the Python extension version as 3.12.1 64-bit.

```
grp7_tiqui_ex6.py
grp7_tiqui_ex6.py > ...
1 # Write a Python function to find the maximum of three numbers
2
3 def find_max_of_three(x, y, z):
4     return max(x, y, z)
5
6 result = find_max_of_three(54, 22, 39)
7 print(f"The maximum of the three numbers is: {result}")
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex6.py
The maximum of the three numbers is: 54
PS C:\Python>
```

This screenshot shows the same VS Code environment with a different Python script. The editor contains a script to calculate the sum of all numbers in a given list. The terminal window shows the command being run and the resulting output, which is the sum of the list elements (279). The bottom status bar indicates the Python extension version is 3.12.1 64-bit.

```
grp7_tiqui_ex6.py
grp7_tiqui_ex6.py > ...
1 # Write a Python function to sum all the numbers in a list.
2 def sum_of_numbers(numbers):
3     return sum(numbers)
4
5 numbers_list = [12, 34, 56, 78, 99]
6 result = sum_of_numbers(numbers_list)
7 print(result)
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex6.py
279
PS C:\Python>
```

The screenshot shows the Visual Studio Code interface with a dark theme. The left sidebar has icons for file operations like Open, Save, Find, and Delete. The main editor window contains a Python script named `grp7_tiqui_ex6.py`. The code defines a function `count_upper_lower` that takes a string and returns the count of uppercase and lowercase letters. It then tests this function with the string "Hello, This is Liezel from CS3C". The terminal below shows the output of running the script, which correctly counts 6 uppercase and 18 lowercase letters.

```
grp7_tiqui_ex6.py
grp7_tiqui_ex6.py > ...
1 # Write a Python function that accepts a string
2 # and counts the number of upper and lower case letters.
3
4 def count_upper_lower(input_string):
5     upper_count = sum(1 for char in input_string if char.isupper())
6     lower_count = sum(1 for char in input_string if char.islower())
7     return upper_count, lower_count
8
9 test_string = "Hello, This is Liezel from CS3C "
10 upper, lower = count_upper_lower(test_string)
11 print("Uppercase count:", upper)
12 print("Lowercase count:", lower)
13

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex6.py
Uppercase count: 6
Lowercase count: 18
PS C:\Python>
```

The screenshot shows the Visual Studio Code interface with a dark theme. The left sidebar has icons for file operations like Open, Save, Find, and Delete. The main editor window contains a Python script named `grp7_tiqui_ex6.py`. The code defines a function `reverse_string` that takes a string and returns its reverse. It then tests this function with the string "Coding is really fun". The terminal below shows the output of running the script, which prints the reversed string "gnidoC si ellayC".

```
grp7_tiqui_ex6.py
grp7_tiqui_ex6.py > ...
1 # Write a Python program to reverse a string
2 def reverse_string(input_string):
3     return input_string[::-1]
4
5 original_string = "Coding is really fun "
6 result = reverse_string(original_string)
7 print(result)
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex6.py
nuf yllaei si gnidoC
PS C:\Python>
```

```
grp7_tiqui_ex6.py
grp7_tiqui_ex6.py > ...
1  # Write a Python function that takes a list and returns
2  # a new list with distinct elements from the first list.
3
4  x = [5, 9, 2, 3, 1, 6, 8, 4, 5, 3, 7, 7]
5  x = list(set(x))
6  print(x)
7
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex6.py
[1, 2, 3, 4, 5, 6, 7, 8, 9]
PS C:\Python>