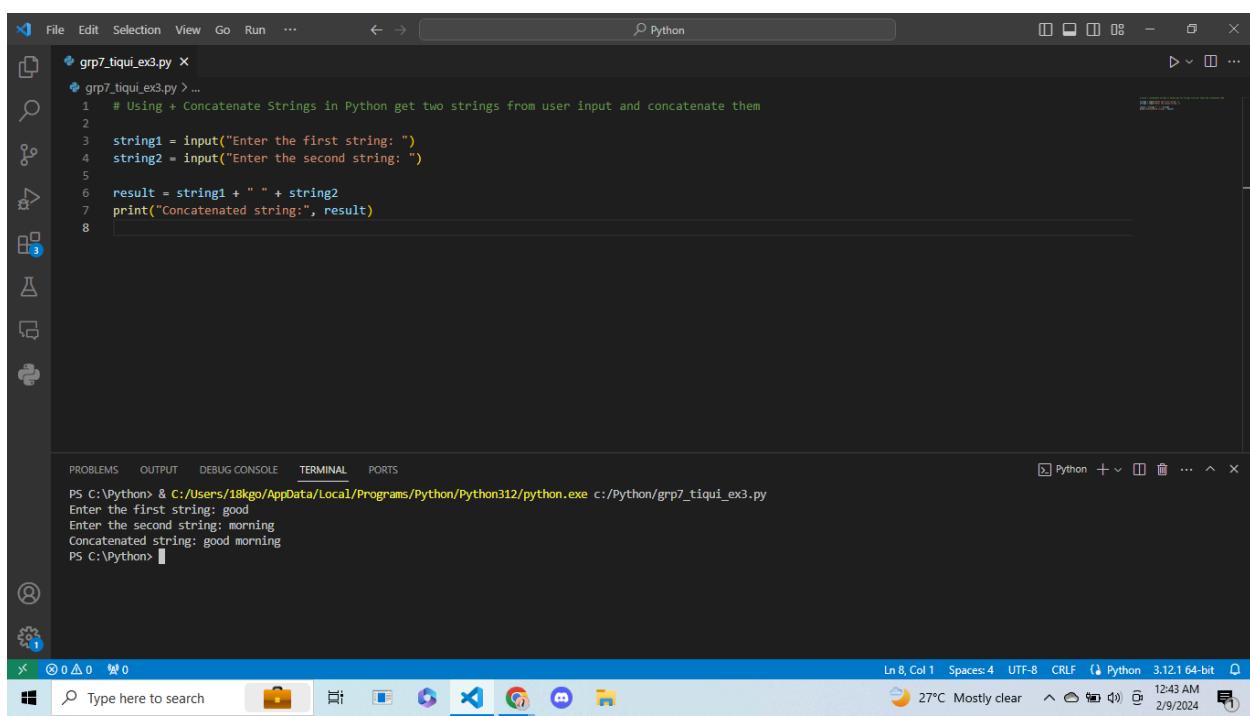


```
grp7_tiqui_ex3.py
grp7_tiqui_ex3.py > ...
1 # Using + Concatenate Strings in Python using 4 variables concatenate them with spaces
2
3 var1 = "Hello,"
4 var2 = "this"
5 var3 = "is"
6 var4 = "Liezel!"
7
8 result = var1 + " " + var2 + " " + var3 + " " + var4
9 print(result)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex3.py
Hello, this is Liezel!
PS C:\Python>
```



```
grp7_tiqui_ex3.py
grp7_tiqui_ex3.py > ...
1 # Using + Concatenate Strings in Python get two strings from user input and concatenate them
2
3 string1 = input("Enter the first string: ")
4 string2 = input("Enter the second string: ")
5
6 result = string1 + " " + string2
7 print("Concatenated string:", result)
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Python> & C:/Users/18kgo/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex3.py
Enter the first string: good
Enter the second string: morning
Concatenated string: good morning
PS C:\Python>
```

The screenshot shows the Visual Studio Code interface with a dark theme. The left sidebar contains icons for file operations like Open, Save, Find, and others. The main editor area displays a Python script named `grp7_tiqui_ex3.py`. The code uses string concatenation to build a paragraph from user input for name and age.

```
# Using + Concatenate in Python using your name and your age in a paragraph
name = input("Enter your name: ")
age = input("Enter your age: ")
paragraph = "Hello, my name is " + name + " and I am " + age + " years old."
print(paragraph)
```

The terminal below shows the execution of the script:

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex3.py
Enter your name: Liezel
Enter your age: 21
Hello, my name is Liezel and I am 21 years old.
PS C:\Python>
```

This screenshot shows another instance of VS Code with a dark theme. The left sidebar includes icons for file operations and a search function. The main editor area contains a Python script for performing basic arithmetic operations: addition, subtraction, multiplication, and division. It includes error handling for division by zero.

```
# Create a Python program to perform Addition, Subtraction, Multiplication, and Division using two numbers
def add(x, y):
    return x + y

def subtract(x, y):
    return x - y

def multiply(x, y):
    return x * y

def divide(x, y):
    if y != 0:
        return x / y
    else:
        return "Cannot divide by zero"

num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))
print("Addition: ", add(num1, num2))
print("Subtraction: ", subtract(num1, num2))
print("Multiplication: ", multiply(num1, num2))
print("Division: ", divide(num1, num2))
PS C:\Python>
```

The terminal output shows the results of the arithmetic operations based on user input of 17.0 and 9.0.

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top menu bar includes File, Edit, Selection, View, Go, Run, and others. A search bar at the top right contains the text "Python". The main editor area displays a Python script named "grp7_tiqui_ex3.py". The code defines four functions: add, subtract, multiply, and divide. It also prompts the user for two numbers and prints the results of each operation. The terminal below the editor shows the execution of the script and its output. The status bar at the bottom provides information about the file (Ln 31, Col 1), encoding (UTF-8), and Python version (3.12.1 64-bit). The system tray shows the date and time (2/9/2024, 1:12 AM) and weather (26°C, Mostly clear).

```
grp7_tiqui_ex3.py
1 # MDAS
2 # Create a Python program to perform Addition, Subtraction, Multiplication, and Division using two numbers
3
4 def add(x, y):
5     return x + y
6
7 def subtract(x, y):
8     return x - y
9
10 def multiply(x, y):
11     return x * y
12
13 def divide(x, y):
14     if y != 0:
15         return x / y
16     else:
17         return "Cannot divide by zero"
18
19 num1 = float(input("Enter the first number: "))
20 num2 = float(input("Enter the second number: "))
21
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Python> & C:/Users/18kg0/AppData/Local/Programs/Python/Python312/python.exe c:/Python/grp7_tiqui_ex3.py
Enter the first number: 8
Enter the second number: 9
Addition: 17.0
Subtraction: -1.0
Multiplication: 72.0
Division: 0.8888888888888888
PS C:\Python>
```

Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.1 64-bit

26°C Mostly clear 1:12 AM 2/9/2024