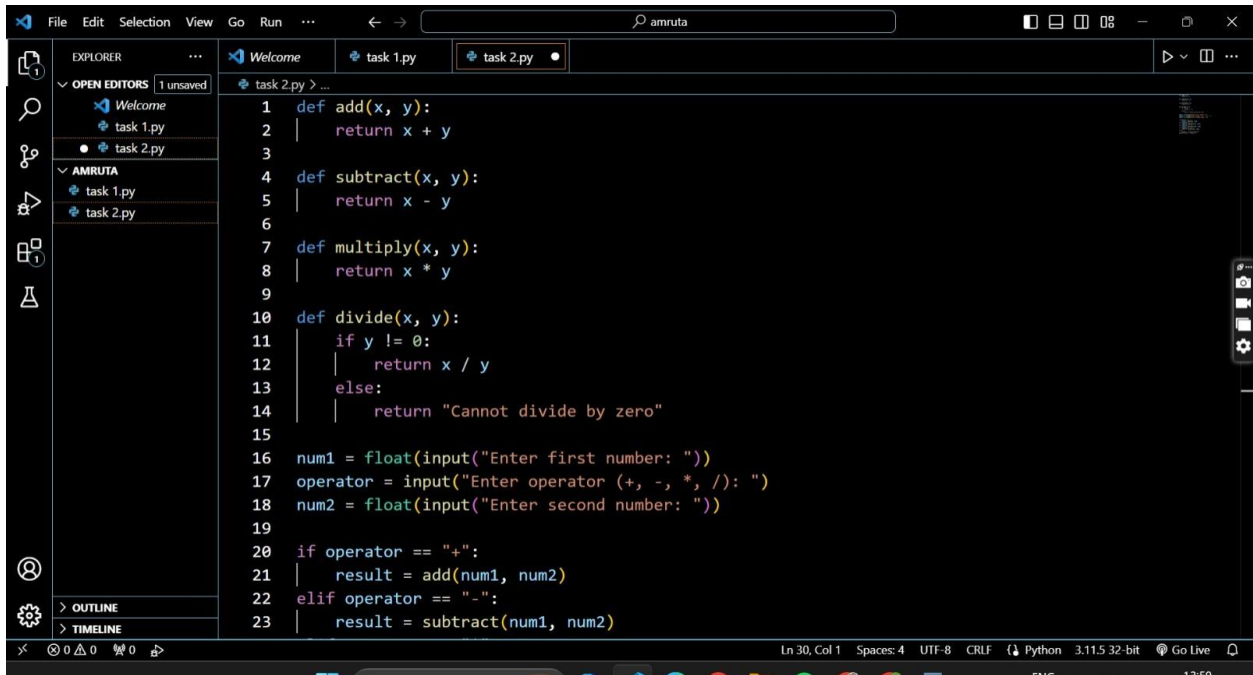


# Project 2

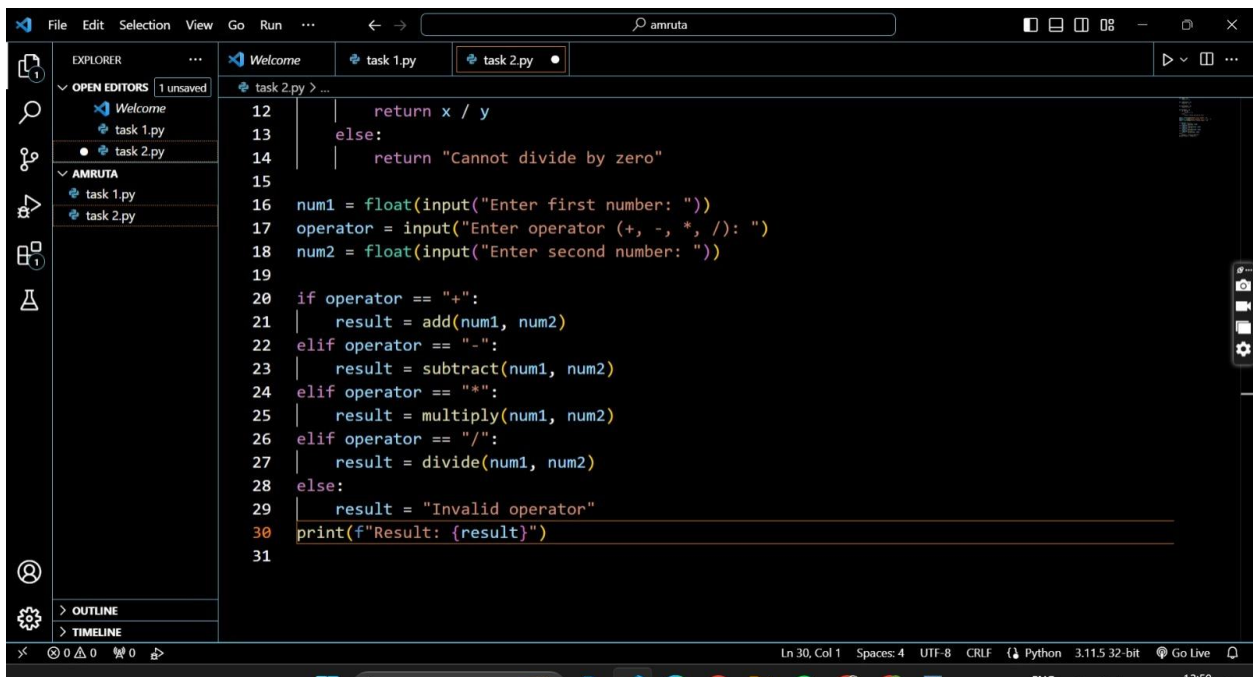
## Calculator in python



This screenshot shows the first part of a Python calculator program in a VS Code editor. The Explorer panel on the left shows the project structure with files 'task 1.py' and 'task 2.py'. The main editor window displays the code for 'task 2.py', which includes four functions: 'add', 'subtract', 'multiply', and 'divide'. The 'divide' function includes a check for a zero denominator. Below the functions, the program prompts the user for a first number, an operator, and a second number. The code is as follows:

```
1 def add(x, y):
2     return x + y
3
4 def subtract(x, y):
5     return x - y
6
7 def multiply(x, y):
8     return x * y
9
10 def divide(x, y):
11     if y != 0:
12         return x / y
13     else:
14         return "Cannot divide by zero"
15
16 num1 = float(input("Enter first number: "))
17 operator = input("Enter operator (+, -, *, /): ")
18 num2 = float(input("Enter second number: "))
19
20 if operator == "+":
21     result = add(num1, num2)
22 elif operator == "-":
23     result = subtract(num1, num2)
```

The status bar at the bottom indicates the cursor is at line 30, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.11.5 32-bit.



This screenshot shows the second part of the Python calculator program in a VS Code editor. The code continues from the previous screenshot, showing the logic for the 'if' and 'elif' statements for the operators '+', '-', '\*', and '/'. It also includes an 'else' clause for invalid operators and a final print statement to display the result. The code is as follows:

```
12     return x / y
13     else:
14         return "Cannot divide by zero"
15
16 num1 = float(input("Enter first number: "))
17 operator = input("Enter operator (+, -, *, /): ")
18 num2 = float(input("Enter second number: "))
19
20 if operator == "+":
21     result = add(num1, num2)
22 elif operator == "-":
23     result = subtract(num1, num2)
24 elif operator == "*":
25     result = multiply(num1, num2)
26 elif operator == "/":
27     result = divide(num1, num2)
28 else:
29     result = "Invalid operator"
30 print(f"Result: {result}")
31
```

The status bar at the bottom indicates the cursor is at line 30, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.11.5 32-bit.

