```python
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 "Error! Division by zero."
    else:
        return x / y



def calculator():
    print("Welcome to Calculator!")
    while True:
        print("\nSelect operation:")
        print("1. Add")
        print("2. Subtract")
        print("3. Multiply")
        print("4. Divide")

        print("5. Exit")

        choice = input("Enter choice (1/2/3/4/5/): ")
```

```python
        choice = input("Enter choice (1/2/3/4/5/): ")

        if choice in ('1', '2', '3', '4', '5'):
            if choice == '5':
                print("Goodbye!")
                break
            else:
                num1 = float(input("Enter first number: "))
                num2 = float(input("Enter second number: "))

                if choice == '1':
                    print("Result:", add(num1, num2))
                elif choice == '2':
                    print("Result:", subtract(num1, num2))
                elif choice == '3':
                    print("Result:", multiply(num1, num2))
                elif choice == '4':
                    print("Result:", divide(num1, num2))

        else:
            print("Invalid Input")
            print("this calculator meant only for addtion,subration,multiplication,division")

        again = input("\nDo you want to perform another calculation? (yes/no): ")
        if again.lower() != 'yes':
            print("Goodbye!")
            break

calculator()
```

Code editor (calculator.pyy.py), partially visible:

```
        choice = inpu
    if choice in (
        if choice =
            print("
            break
        else:
            num1 =
            num2 =

            if choic
                prin
            elif ch
                prin
            elif ch
                prin
            elif ch
                prin

        else:
            print("Inv
            print("this

        again = inpu
        if again.lowe
            print("Goo
            break

calculator()
```

IDLE Shell 3.12.2:

```
Python 3.12.2 (tags/v3.12.2:6abddd9, Feb  6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/owner/AppData/Local/Programs/Python/Python312/calculator.pyy.py
Welcome to Calculator!

Select operation:
1. Add
2. Subtract
3. Multiply
4. Divide
5. Exit
Enter choice (1/2/3/4/5/): 1
Enter first number: 55
Enter second number: 65
Result: 120.0

Do you want to perform another calculation? (yes/no): yes

Select operation:
1. Add
2. Subtract
3. Multiply
4. Divide
5. Exit
Enter choice (1/2/3/4/5/): 8
Invalid Input
this calculator meant only for addtion,subration,multiplication,division

Do you want to perform another calculation? (yes/no):
= RESTART: C:/Users/owner/AppData/Local/Programs/Python/Python312/calculator.pyy.py
```

Ln: 37   Col: 59