

```

def calculator():
    print("=== Simple Calculator ===")

    # Get two numbers from the user
    try:
        num1 = float(input("Enter the first number: "))
        num2 = float(input("Enter the second number: "))
    except ValueError:
        print("Invalid input! Please enter numeric values.")
        return

    # Display operation choices
    print("\nChoose an operation:")
    print("1. Addition (+)")
    print("2. Subtraction (-)")
    print("3. Multiplication (*)")
    print("4. Division (/)")

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

    # Perform the selected operation
    if choice == '1':
        result = num1 + num2
        operation = "+"
    elif choice == '2':
        result = num1 - num2
        operation = "-"
    elif choice == '3':
        result = num1 * num2
        operation = "*"
    elif choice == '4':
        if num2 == 0:
            print("Error: Division by zero!")
            return
        result = num1 / num2
        operation = "/"
    else:
        print("Invalid choice! Please select from 1 to 4.")
        return

    # Display the result
    print(f"\nResult: {num1} {operation} {num2} = {result}")

# Run the calculator
calculator()

```