

```
def calculator():
    print("=== Python Calculator ===")
    print("Operations:")
    print("1 - Addition (+)")
    print("2 - Subtraction (-)")
    print("3 - Multiplication (*)")
    print("4 - Division (/)")

    choice = input("Choose operation (1/2/3/4): ")

    if choice not in ["1", "2", "3", "4"]:
        print("Error: invalid choice")
        return

    try:
        num1 = float(input("Enter first number: "))
        num2 = float(input("Enter second number: "))
    except ValueError:
        print("Error: enter numbers only")
        return

    if choice == "1":
        result = num1 + num2
        print("Result:", result)
    elif choice == "2":
        result = num1 - num2
        print("Result:", result)
    elif choice == "3":
        result = num1 * num2
        print("Result:", result)
    elif choice == "4":
        if num2 == 0:
            print("Error: division by zero")
        else:
            result = num1 / num2
            print("Result:", result)

calculator()
```