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"

return x / y

def main():

print("Simple Calculator")

print("Select operation:")

print("1. Addition")

print("2. Subtraction")

print("3. Multiplication")

print("4. Division")

# Get user input for operation

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

# Check if choice is valid

if choice in ['1', '2', '3', '4']:

# Get user input for numbers

try:

num1 = float(input("Enter first number: "))

num2 = float(input("Enter second number: "))

except ValueError:

print("Invalid input. Please enter numeric values.")

return

# Perform the chosen operation

if choice == '1':

print(f"The result of {num1} + {num2} is {add(num1, num2)}")

elif choice == '2':

print(f"The result of {num1} - {num2} is {subtract(num1, num2)}")

elif choice == '3':

print(f"The result of {num1} \* {num2} is {multiply(num1, num2)}")

elif choice == '4':

print(f"The result of {num1} / {num2} is {divide(num1, num2)}")

else:

print("Invalid input. Please select a valid operation.")

if \_\_name\_\_ == "\_\_main\_\_":

main()