# Program to make simple calculator  
# This function adds 2 numbers  
def add(x, y):  
    return x + y  
  
# This function subtracts 2 numbers  
def subtract(x, y):  
    return x - y  
  
# This function multiplies 2 numbers  
def multiply(x, y):  
    return x \* y  
  
# This function divides 2 numbers  
def divide(x, y):  
    return x / y  
  
print("Select operation")  
print("1. Add")  
print("2. Subtract")  
print("3. Multiply")  
print("4. Divide")  
  
while True:  
    choice = input("Enter choice (1/2/3/4): ")

# Take input from the  user

# Check if choice is 1 of the four options by completing the following code in the IDE of your choice or notebook  
    if choice in ('1', '2', '3', '4'):  
    num1 = float(input("Enter first number: "))  
    num2 = float(input("Enter second number: "))  
  
     if choice == '1':  
     print(num1, " + ", num2, " = ", add( num1, num2 ))  
  
    elif choice == '2':  
           print(num1, " - ", num2, " = ", subtract(num1, num2 ))  
  
       elif choice == '3':   
           print (num1, " \* ", num2, " = ", multiply(num1, num2))  
  
       elif choice == '4':  
           print(num1, " / ", num2, " = ", divide(num1, num2))  
       break  
   else:  
  
       print("Invalid input.")

# This prints the invalid input.