TASK 2:- CALCULATOR

Design a simple calculator with basic arithmetic operations.

Prompt the user to input two numbers and an operation choice.

Perform the calculation and display the result.

Ans:-

# Function to perform arithmetic operations

def perform\_operation(num1, num2, operator):

if operator == '+':

return num1 + num2

elif operator == '-':

return num1 - num2

elif operator == '\*':

return num1 \* num2

elif operator == '/':

if num2 != 0:

return num1 / num2

else:

return "Error: Division by zero"

else:

return "Error: Invalid operator"

# Input from the user

try:

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

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

operator = input("Enter the operation (+, -, \*, /): ")

# Perform the calculation

result = perform\_operation(num1, num2, operator)

# Display the result

print(f"Result: {result}")

except ValueError:

print("Error: Invalid input. Please enter valid numbers.")

except KeyboardInterrupt:

print("Calculator closed.")