PROGRAMMING ASSESSMENT

1. Write a Python function that divides two numbers and handles the case where the divisor is zero by returning a custom error message.

def safe\_divide(numerator, denominator):

if denominator == 0:

return "Error: Division by zero is not allowed."

else:

return numerator / denominator

# Get user input

try:

num = float(input("Enter the numerator: "))

denom = float(input("Enter the denominator: "))

result = safe\_divide(num, denom)

print("Result:", result)

except ValueError:

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

